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Please contact the appropriate permitting authority (either a State or EPA Regional office) prior to acting on this information to ensure you have the most up-to-date permit and/or fact sheet. EPA recognizes the official version of a permit or fact sheet to be the version designated as such and appropriately stored by the respective permitting authority.

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230 Chestnut Street Meadville, PA 16335-3481

Northwest Regional Office

814-332-6942 Fax: 814-332-6121

Mr. Charles B. Vogus Vice President Operations Penreco 138 Petrolia Street Karns City, PA 16041

Re: Industrial Waste

Penreco

NPDES Permit No. PA0002135

APS ID No. 343382

Authorization ID No. 351686

Karns City Borough, Butler County

Dear Mr. Vogus:

Your permit is enclosed. Read the permit and the special conditions carefully.

In response to your comments received during the draft comment period a number of changes were made to the NPDES permit. Please refer to the attached "Comment and Response Document."

A Discharge Monitoring Report (DMR) and Supplemental Reporting Forms are included. The master DMR will be prepared and distributed by the U.S. Environmental Protection Agency (EPA) in the near future. Use the enclosed DMR Form until you receive a master from EPA. The reporting forms must be submitted to the Department and the EPA Regional Office as instructed in the permit and the enclosed Instruction Sheet.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

Important legal rights are at stake, however, so you should show this document to a lawyer at once. If you cannot afford a lawyer, you may qualify for free pro bono representation. Call the Secretary to the Board (717-787-3483) for more information.

If you have any questions, please call Donald J. Luttman at 814-332-6942.

Sincerely,

/s/

Ricardo F. Gilson Regional Manager Water Management

Enclosures

cc: U.S. Environmental Protection Agency
Wastewater Management
Monitoring & Compliance Section
File

RFG:DJL:lsl:jb

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION WATER MANAGEMENT PROGRAM

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

NPDES PERMIT NO. PA0002135

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. (the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

Penreco

| s authorized to discharge fro | m a facility located | at 138 Petrolia Street | , Karns City, PA 16041 |
|-------------------------------|----------------------|------------------------|------------------------|
| | | | |

Municipality: Karns City Borough County: Butler

to receiving waters named South Branch Bear Creek (Outfalls 001, 002, 005, 006, 007, 008, 009, 010, 014, 020, 022, 023, 031, 033 and 034) and an unnamed tributary to South Branch Bear Creek (Outfalls 004, 011, 012, 013 and 032).

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

THIS PERMIT SHALL EXPIRE AT MIDNIGHT, 10/29/08 .

The authority granted by this permit is subject to the following further qualifications:

- 1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
- 2. Failure to comply with the terms, conditions, or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- 3. Complete application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form.
 - In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports, will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.
- 4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

| DATE PERMIT ISSUED | 10/30/03 | ISSUED BY | /s/ |
|---------------------|-------------|-----------|---------------------------|
| | | | Ricardo F. Gilson |
| DATE PERMIT AMENDM | IENT ISSUED | TITLE: | Regional Manager - |
| | | | Water Management |
| | | | Northwest Regional Office |
| DATE EFFECTIVE 11/1 | 1/03 | | |

Comment and Response Document

Penreco NPDES Permit No. PA0002135 APS ID No. 343382 Authorization ID No. 351686 Karns City Borough, Butler County

This document provides details regarding comments received from Penreco during and after the 30-day public comment period. As a result of comments received from Crompton Corporation in reference to their draft permit, the drainage area at Outfall 001 was re-measured and determined to be 7 square miles. Also, it was determined the appropriate flow rate to model Outfall 001 is 0.276 MGD. The flow contribution from storm water was not included in the discharge analysis flow rate. In response to your comments dated March 5, 2003 to the draft permit issued January 22, 2003:

1. The stream sampling data from the Old Fire House location presented in the March 1988 Toxic Reduction Evaluation (TRE) Study was used for background in the Pentoxsd model. Also the NH3-N and CBOD5 data were used for background in the WQAM6.3 model. The ambient temperature data presented in August 1997 Temperature Study was used in the temperature model.

The Q7,10 and Rq values reported in the temperature study were not used because they were calculated based on the regression equations in Water Resources Bulletin No. 15. The drainage area and slope of Toms Run were used in the regression equation to calculate a Q7,10 of 0.703 cfs. The cfsm yield rate would be 0.703 cfs/12.6 mi 2 = 0.056. This is slightly larger than the yield rate calculated using the actual data from the gage on Toms Run (0.0444).

It is more accurate to use the actual data from the gage on Toms Run than to use the regression equations to calculate the Q7,10. This is true for the monthly Q7,10s as well. Therefore, the actual data from Toms Run was used to calculate the Q7,10 flow and Rq values and not the values calculated from the regression equations.

The flow augmentation information presented in the Temperature Study was used to modify the temperature model.

2. Temperature Worksheet

The increased drainage area and decreased discharge flow rate were utilized in the temperature worksheet. With the addition of 0.0498 MGD for flow augmentation from other sources, the design steam flows for all periods are greater than the discharge flow rate. Therefore, the temperature worksheet accurately reflects the fact that the amount of water withdrawn from South Branch Bear Creek does not exceed the Q7,10 stream flows utilized in the model.

3. Metals

As indicted above the TRE data was used for background in the Pentoxsd model.

- 4. Site-specific data
 - A. Site-specific stream temperatures were used in the temperature model.
 - B. As indicated above Q7,10 and Rq values reported in the TRE were not used.
- 5. Temperature Measurement Frequency

Page 19 of the *Implementation Guidance for Temperature Criteria* indicates, "The frequency of self-monitoring must be adequate to support the determination of daily average concentrations. For large discharges with highly variable effluent quality, such as power generating facilities, daily, hourly, or even continuous monitoring may be required, with daily calculation of BTU/day for Case 1 situations".

Therefore, daily sampling will be retained.

- 6. i. and ii were responded to above.
 - iii. Outfall 001 Metals
 - A. It was indicated the hardness sample of 193 mg/l was not appropriate since it was collected in February and DEP Technical Guidance Document No. 391-2000-021 indicates the hardness should be collected during months July through November. Therefore, a hardness value of 181 mg/l was used. This is the average of two samples collected on July 6, 1998.
 - A discharge hardness of 252 mg/ was used in the Pentoxsd model.
 - B. It was requested the limitations for metals be included as "mass-based" only.
 - Table 5-2: Method of Expressing Effluent Limits for IW Discharges, indicates average monthly, maximum daily, and instantaneous maximum concentrations are to be specified for technology based concentration limits and water quality-based limits. Therefore, the concentration limitations were retained.
 - iv. The oil and grease limitation at outfall 005, which is an overflow from a raw water reservoir, was removed from the permit.

- v. Oil and grease limitations were removed from storm water outfalls 006, 007, 008, 010, 031, and 033 since these are non-process areas.
- vi. The monitoring frequency was reduced from 4/year to 2/year for TSS, Iron, Aluminum, and Flow at the storm water outfalls.

The following changes were made to the permit as a result of the September 5, 2003 comments received in reference to the "proposed final" permit sent to Alan Dodd on August 14, 2003.

1. Allowable Heat Load Limits

The allowable heat load limits were revised at Outfall 001 as a result of using a revised flow augmentation factor in the temperature model.

2. Concentration and Mass Loading of Pollutants at Outfall 001

The mass limitations for TSS and Oil and Grease were replaced with a requirement to monitor and report since these limitations are technology based concentration limits.

3. Stormwater Outfalls Oil and Grease Limit

The oil and grease limitation was removed at outfalls 009, 011, 012, 013, 014, 031, 032, and 034 since these storm water outfalls serve non-process areas.

4. Outfall 001 Copper

The daily maximum limitation was revised to 2.5 times the average monthly limitations.

5. <u>Permit/DMR Forms Discrepancies</u>

A monthly average limitation of 15 mg/l for oil and grease was included and the monitoring frequencies for aluminum and manganese were corrected on the DMR form for outfall 023.

6. A special condition has been added to Part C of the permit that requires verification of the monthly average flow augmentation value that was used in the temperature model.

The background concentrations for Copper and Lead were corrected in Pentoxsd modelling. Also, the stream hardness was properly input in the background hardness field instead of the instream hardness field. These changes resulted in slightly relaxed limits for Copper and Lead.

Finally, the "effective disinfection" special condition was included in the permit. This special condition is in your existing NPDES permit.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

- 1. For Outfall **001** Latitude <u>40° 59′ 59″</u> Longitude <u>79° 43′ 20″</u> River Mile Index <u>4.51</u> Stream Code <u>49141</u> which receives wastewater from hydrotreating of refined kerosene, oils and waxes; fractionation Bender Units; water washing; steam production; storage tank heating; cooling; laboratory; landfill operation; and sanitary and shower facilities.
 - a. The permittee is authorized to discharge during the period from <u>issuance date</u> to <u>expiration date</u>
 - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| |] | EFFLUENT I | LIMITATIO | NS | | MONITOR | RING REQUI | REMENTS | |
|---------|---|---|---|---|--|---|----------------------|--|--|
| N | Iass Units (lbs/ | day)¹ | (y) ¹ Concentrations (mg/l) | | | | | | |
| Average | Maximum | • | Average | Maximum | Instantaneous | <u>Minimum</u> Measurement | | 24 Hr. Report Under Part | |
| Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) | |
| | | | | | | | | | |
| XX | | | | | | continuous | recorded | | |
| | | | | | | | | | |
| | | | 16 | 32 | 40 | weekly | • | | |
| | | | 32 | 64 | 80 | weekly | 24-hr comp | | |
| XX | XX | | | 135 | 135 | weekly | 24-hr comp | | |
| XX | | | 15 | | 30 | weekly | 3 grabs/24 hr | | |
| | | | | | | | | | |
| 3 | 6 | | 1.3 | 2.6 | 3.25 | weekly | 24-hr comp | | |
| 9 | 18 | | 3.9 | 7.8 | 9.75 | weekly | 24-hr comp | | |
| | | greater than 5. | 0 mg/l at all times | 1 | | daily | grab | | |
| 1.43 | 2.86 | | 0.62 | 1.24 | 1.55 | weekly | 24-hr comp | | |
| XX | XX | | 2 | 4 | 5 | weekly | 24-hr comp | | |
| XX | XX | | 1 | 2 | 2.5 | weekly | 24-hr comp | | |
| 0.058 | 0.12 | | 0.025 | 0.063 | 0.063 | weekly | 24-hr comp | | |
| 0.03 | 0.06 | | 0.013 | 0.026 | 0.033 | weekly | 24-hr comp | | |
| XX | XX | | 0.058 | 0.15 | 0.15 | weekly | 24-hr comp | | |
| Daily | Average | | | | | daily | immersion | | |
| 63 | | | | | | • | stabilization | | |
| 38 | • | | | | | | | | |
| 77 | • | | | | | | | | |
| 115 | MBTU/day | | | | | | | | |
| | Average Monthly XX 37 74 XX XX 3 9 1.43 XX XX 0.058 0.03 XX Daily 63 38 77 | Mass Units (lbs/decomposition) Average Maximum Monthly Maximum Daily XX 37 74 74 148 XX XX XX XX XX XX XX XX XX XX XX XX XX 0.058 0.12 0.03 0.06 XX XX XX Daily Average 63 MBTU/day 38 MBTU/day 77 MBTU/day 77 MBTU/day | Mass Units (lbs/day)¹ Average Maximum Monthly Mass Units (lbs/day)¹ XX Minimum XX 37 74 74 148 XX XX XX XX XX XX XX XX XX XX XX XX XX 0.058 0.12 0.03 0.06 XX XX XX Daily Average 63 MBTU/day 38 MBTU/day 77 MBTU/day 77 MBTU/day | Mass Units (lbs/day)¹ Co Average Monthly Maximum Daily Average Monthly XX 37 74 16 74 148 32 XX XX 45 XX 15 3 6 1.3 9 18 3.9 greater than 5.0 mg/l at all times 1.43 1.43 2.86 0.62 XX XX 2 XX XX 1 0.058 0.12 0.025 0.03 0.06 0.013 XX XX 0.058 Daily Average 63 MBTU/day 38 MBTU/day 38 77 MBTU/day | Average Monthly Maximum Daily Average Monthly Maximum Daily XX 37 74 16 32 74 148 32 64 XX XX 45 135 XX 15 15 3 6 1.3 2.6 9 18 3.9 7.8 greater than 5.0 mg/l at all times 1.43 2.86 0.62 1.24 XX XX XX 2 4 XX XX 1 2 0.058 0.12 0.025 0.063 0.03 0.06 0.013 0.026 XX XX 0.058 0.15 Daily Average 63 MBTU/day 38 MBTU/day 77 MBTU/day 77 MBTU/day | Nass Units (lbs/day) Concentrations (mg/l) | Nass Units (lbs/day) | Natural Continuous National Continuous | |

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **001** (continued)

| | | | EFFLUENT | LIMITATIO | NS | | MONITOR | ING REQUI | REMENTS |
|-------------------------|---------|-----------------|----------------------|----------------------|----------------|----------------------|----------------|---------------|---------------|
| | M | ass Units (lbs/ | day) ¹ | Cor | centrations (n | n g/l) | | | |
| | | | | | | | <u>Minimum</u> | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| Temperature (continued) | Daily | Average_ | | | | | daily | immersion | |
| April 16 - 30 | 207 | MTBU/day | | | | | dany | stabilization | |
| May 1 - 15 | 131 | MTBU/day | | | | | | Staomzanon | |
| May 16 - 31 | 196 | MTBU/day | | | | | | | |
| June 1 - 15 | 102 | MTBU/day | | | | | | | |
| June 16 - 30 | 66 | MTBU/day | | | | | | | |
| July 1 - 31 | 42 | MTBU/day | | | | | | | |
| August 1 - 31 | 37 | MTBU/day | | | | | | | |
| September 1 - 15 | 49 | MTBU/day | | | | | | | |
| September 16 - 30 | 30 | MTBU/day | | | | | | | |
| October 1 - 15 | 77 | MTBU/day | | | | | | | |
| October 16 - 31 | 58 | MTBU/day | | | | | | | |
| November 1 - 15 | 81 | MTBU/day | | | | | | | |
| November 16 - 30 | 77 | MTBU/day | | | | | | | |
| December 1 - 31 | 66 | MTBU/day | | | | | | | |
| Fecal Coliform | | | | 200/100ml | | | annual | grab | |
| Phenol | XX | XX | | 0.012 | 0.021 | | quarterly | grab | |
| pН | | Withi | n limits of 6.0 to 9 | 9.0 standard units a | at all times | | daily | grab | |

XX - Monitor and report on monthly DMRs.

^{(*) –} See Special Conditions 3 and 5 in Part C of the permit.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For Outfall 002 Latitude 40° 59' 55" I | Longitude <u>79° 43' 23"</u> | River Mile Index 4.65 | Stream Code 49141 |
|----|---|------------------------------|-----------------------------|--------------------|
| | which receives wastewater from storm | water runoff, groundwat | er, steam traps, and petrol | eum tankage draws. |

| a. The permittee is authorized to discharge during the period from issuance date to expiration date | |
|---|--|
|---|--|

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | |] | EFFLUENT | LIMITATIO | ONS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-----------------|----------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | Ma | ass Units (lbs/ | day)¹ | Co | ncentrations (n | 1 g/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| Flow (MGD) | XX | | | | | | 2/year | measured | |
| TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | 15 | | 30 | 1/year | grab | |
| Aluminum | | | | XX | | | 2/year | grab | |
| Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 002 - The API diversion

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For Outfall 004 Latitude <u>41° 00' 01"</u> Longitude <u>79° 43' 57"</u> | River Mile Index 4.72 | Stream Code | <u>49158</u> |
|----|---|----------------------------|-------------|--------------|
| | which receives wastewater from coal pile storage storm water r | runoff and deep mine drain | iage. | |

| a. The permittee is authorized to discharge during the period from | issuance date | to | expiration date | |
|--|---------------|----|-----------------|--|
|--|---------------|----|-----------------|--|

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | S | | MONITOR | RING REQUI | REMENTS |
|---------------------|---------|-------------------|-------------------|-----------|-----------------|----------------------|----------------|-------------|---------------|
| | M | ass Units (lbs/da | (ay) ¹ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | <u>Minimum</u> | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/month | measured | |
| TSS | | | | 30 | | 50 | 2/month | grab | |
| Oil and Grease | | | | 15 | | 30 | 2/month | grab | |
| Total Iron | | | | 1.4 | 2.8 | 3.5 | 2/month | grab | |
| Manganese | | | | 1.0 | 2.0 | 2.5 | 2/month | grab | |
| pН | | | 6.0 | | | 9.0 | 2/month | grab | |

 $\boldsymbol{X}\boldsymbol{X}$ - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 004 - over flow from final

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For Outfall 005 Latitude 40° 59' 43' | ' Longitude <u>79° 43' 39"</u> | River Mile Index 4.96 | Stream Code 49141 |
|----|---|--------------------------------|-------------------------|---------------------------|
| | which receives wastewater from raw | water reservoir (untreated | well and South Branch B | ear Creek Surface Water). |

| a. The permittee is authorized to discharge during the period from | issuance date | to | expiration date | |
|--|---------------|----|-----------------|--|
|--|---------------|----|-----------------|--|

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | |] | EFFLUENT | LIMITATIO | NS | | MONITORING REQUIREMENTS | | |
|--------------------------|---------|-----------------|----------|-----------|-----------------|----------------------|-------------------------|-------------|---------------|
| | M | ass Units (lbs/ | day)¹ | Co | ncentrations (n | n g/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/month | estimate | |
| 5 Day CBOD | | | | XX | | | 2/year | grab | |
| TSS | | | | XX | | | 2/month | grab | |
| TOC | | | | XX | | | 2/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 2/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 2/year | grab | |
| Aluminum | | | | XX | | | 2/month | grab | |
| Iron | | | | XX | | | 2/month | grab | |
| Manganese | | | | XX | | | 2/year | grab | |
| Copper | | | | XX | | | 2/year | grab | |
| Zinc | | | | XX | | | 2/year | grab | |
| pН | | | | XX | | | 2/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 005 (over flow from raw water supply pond and prior to discharge to South Branch Bear Creek).

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| V | which receives wastewater from storm water | | |
|---|---|----------------------|--------------------|
| ć | a. The permittee is authorized to discharge during the period | d from issuance date | to expiration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E | FFLUENT L | IMITATION | S | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|----------------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{a}\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | _ | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| рН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 006.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | | Outfall 007 Latitude <u>41° 00' 5"</u> Longitude <u>79° 43' 15"</u> Stream | m Code <u>49141</u> | River Mile Inde | x | |
|----|------|---|---------------------|-----------------|-----------------|--|
| | whic | ch receives wastewater from storm water | | | | |
| | a. | The permittee is authorized to discharge during the period from | issuance da | ite to | expiration date | |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|--------------------|-------------------|-----------|--------------------|------------------|---------------------------------------|-------------------------------------|-------------|--|
| | M | ass Units (lbs/da | $(y)^1$ | Co | ncentrations (n | ng/l) | | _ | |
| Discharge Parameter | Average Monthly | Maximum Daily | Minimum | Average Monthly | Maximum Daily | Instantaneous Maximum ² | Minimum Measurement Frequency | Sample Type | 24 Hr. Report Under Part A.3.c.(4) |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 007.

^{(*) –} See Special Conditions 2 and 6 in Part C of the permit.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 008 Latitude <u>40° 59' 43"</u> Longitude <u>79° 43' 38"</u> | Stream | Code <u>49141</u> | River Mile | Index | |
|----|------|---|--------|-------------------|------------|-----------------|---|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | from | issuance date | e to | expiration date | e |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|--------------------|-------------------|-----------|--------------------|------------------|---------------------------------------|-------------------------------------|-------------|--|
| | M | ass Units (lbs/da | $(y)^1$ | Co | ncentrations (n | ng/l) | | _ | |
| Discharge Parameter | Average Monthly | Maximum Daily | Minimum | Average Monthly | Maximum Daily | Instantaneous Maximum ² | Minimum Measurement Frequency | Sample Type | 24 Hr. Report Under Part A.3.c.(4) |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

 $\boldsymbol{X}\boldsymbol{X}$ - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 008.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 009 Latitude <u>40° 59' 52"</u> Longitude <u>79° 43' 30"</u> | Stream | Code <u>49141</u> | River Mile | Inde | x |
|----|------|---|--------|-------------------|------------|----------|-----------------|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | l from | issuance date | to | <u>e</u> | expiration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

 $\boldsymbol{X}\boldsymbol{X}$ - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 009.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 010 Latitude <u>40° 59' 45"</u> Longitude <u>79° 43' 37"</u> | Stream | Code <u>49141</u> | River Mile | e Inde | X |
|----|------|---|--------|-------------------|------------|------------|-----------------|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | l from | issuance date | e to | o <u>e</u> | expiration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

 $\boldsymbol{X}\boldsymbol{X}$ - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 010.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 011 Latitude <u>40° 59' 51"</u> Longitude <u>79° 43' 49"</u> | Stream | Code <u>49158</u> | River Mile Ir | idex |
|----|------|---|--------|-------------------|---------------|-----------------|
| | whic | ch receives wastewater from storm water | | | | |
| | | | | | | |
| | a. | The permittee is authorized to discharge during the period | from | issuance date | e to | expiration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 011.

^(*) – See Special Conditions 2 and 6 in Part C of the permit.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 012 Latitude <u>40° 59' 38"</u> Longitude <u>79° 43' 40"</u> | Stream | Code <u>49156</u> | River Mile In | ndex | |
|----|------|---|--------|-------------------|---------------|-----------------|--|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | from | issuance date | e to | expiration date | |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

 $\boldsymbol{X}\boldsymbol{X}$ - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 012.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 013 Latitude <u>40° 59' 38"</u> Longitude <u>79° 43' 40"</u> | Stream | Code <u>49156</u> | River Mile In | ndex | |
|----|------|---|--------|-------------------|---------------|-----------------|--|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | from | issuance date | e to | expiration date | |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 013.

^{(*) –} See Special Conditions 2 and 6 in Part C of the permit.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 014 Latitude <u>40° 59' 54"</u> Longitude <u>79° 43' 23"</u> | Stream | Code <u>49141</u> | River Mile In | dex | |
|----|------|---|--------|-------------------|---------------|-----------------|--|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | from | issuance date | e to | expiration date | |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | S | | MONITORING REQUIREMENTS | | | |
|--------------------------|--------------------|-------------------|------------------|--------------------|------------------|---------------------------------------|-------------------------------------|-------------|--|--|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | | |
| Discharge Parameter | Average Monthly | Maximum Daily | Minimum | Average Monthly | Maximum Daily | Instantaneous Maximum ² | Minimum Measurement Frequency | Sample Type | 24 Hr. Report Under Part A.3.c.(4) | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | | |
| (*) TSS | | | | XX | | | 2/year | grab | | |
| TOC | | | | XX | | | 1/year | grab | | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | | |
| Oil and Grease | | | | XX | | | 1/year | grab | | |
| (*) Aluminum | | | | XX | | | 2/year | grab | | |
| (*) Iron | | | | XX | | | 2/year | grab | | |
| Manganese | | | | XX | | | 1/year | grab | | |
| Copper | | | | XX | | | 1/year | grab | | |
| Zinc | | | | XX | | | 1/year | grab | | |
| pН | | | | XX | | | 1/year | grab | | |

 $\boldsymbol{X}\boldsymbol{X}$ - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 014.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 031 Latitude <u>40° 59' 41"</u> Longitude <u>79° 43' 46"</u> | Stream | Code <u>49141</u> | River Mile In | dex | |
|----|------|---|--------|-------------------|---------------|-----------------|--|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | from | issuance date | e to | expiration date | |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E | FFLUENT L | IMITATION | IS | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| рН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 031.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For Outfall 032 Latitude 40° 59' 58" Longitude 79° 43' 50 | <u>o"</u> Stream Code <u>49158</u> | River Mile Index | |
|----|--|------------------------------------|------------------|---------------|
| | which receives wastewater from storm water | | | |
| | a. The permittee is authorized to discharge during the pe | riod from issuance date | e to ex | piration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E | FFLUENT L | IMITATION | S | | MONITOR | RING REQUI | REMENTS |
|--------------------------|---------|-------------------|----------------------------|-----------|-----------------|----------------------|-------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{a}\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | _ | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| рН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 032.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 033 Latitude <u>40° 59' 57"</u> Longitude <u>79° 43' 19"</u> | Stream | Code <u>49141</u> | River Mile In | idex | |
|----|------|---|--------|-------------------|---------------|-----------------|--|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | from | issuance date | e to | expiration date | |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITORING REQUIREMENTS | | |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 033.

^{(*) –} See Special Conditions 2 and 6 in Part C of the permit.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 034 Latitude <u>40° 59' 57"</u> Longitude <u>79° 43' 19"</u> | Stream | Code <u>49141</u> | River Mile | Index | |
|----|------|---|--------|-------------------|------------|-------|---------------|
| | whic | ch receives wastewater from storm water | | | | | |
| | | | | | | | |
| | a. | The permittee is authorized to discharge during the period | l from | issuance date | e to | exp | piration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | E] | FFLUENT L | IMITATION | IS | | MONITORING REQUIREMENTS | | |
|--------------------------|---------|-------------------|------------------|-----------|-----------------|----------------------|-------------------------|-------------|---------------|
| | M | ass Units (lbs/da | $(\mathbf{y})^1$ | Co | ncentrations (n | ng/l) | | | |
| | | | | | | | Minimum | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| | | | | | | | | | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| (*) TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 1/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 1/year | grab | |
| Oil and Grease | | | | XX | | | 1/year | grab | |
| (*) Aluminum | | | | XX | | | 2/year | grab | |
| (*) Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 1/year | grab | |
| Copper | | | | XX | | | 1/year | grab | |
| Zinc | | | | XX | | | 1/year | grab | |
| pН | | | | XX | | | 1/year | grab | |

XX - Monitor and report on monthly DMRs.

(*) – See Special Conditions 2 and 6 in Part C of the permit.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 034.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For | Outfall 020 Latitude <u>40° 59' 40"</u> Longitude <u>79° 43' 39"</u> St | ream Code 49141 R | River Mile Inde | X |
|----|------|--|-----------------------|-----------------|-----------------|
| | whic | ch receives wastewater from emergency overflows from water | supply reservoirs and | d fire ponds. | |
| | | | | | |
| | a. | The permittee is authorized to discharge during the period from | om issuance date | to | expiration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | | EFFLUENT | MONITORING REQUIREMENTS | | | | | |
|--------------------------|---------|-----------------|----------|-------------------------|-----------------|----------------------|----------------|-------------|---------------|
| | M | ass Units (lbs. | /day)¹ | Co | ncentrations (n | n g/l) | | | |
| | | | | | | | <u>Minimum</u> | | 24 Hr. Report |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | | Under Part |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | Sample Type | A.3.c.(4) |
| El (MCD) | 3737 | | | | | | 2 / | .· . | |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 2/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 2/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 2/year | grab | |
| Oil and Grease | | | | XX | | | 2/year | grab | |
| Aluminum | | | | XX | | | 2/year | grab | |
| Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 2/year | grab | |
| Copper | | | | XX | | | 2/year | grab | |
| Zinc | | | | XX | | | 2/year | grab | |
| pН | | | | XX | | | 2/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 020 (prior to discharge South

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

| 1. | For Outfall 022 Latitude 40° 59' 40" Longitude 79° 43' 39" Strea | m Code 49141 River N | Mile Ind | ex |
|----|---|--------------------------|----------|-----------------|
| | which receives wastewater from emergency overflows from water su | pply reservoirs and fire | ponds. | |
| | | | | |
| | a. The permittee is authorized to discharge during the period from | issuance date | to | expiration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | | EFFLUENT | LIMITATIO | ONS | | MONITORING REQUIREMENTS | | |
|--------------------------|--------------------|------------------|----------|-----------------------|------------------|---------------------------------------|-------------------------------------|-------------|--|
| | M | ass Units (lbs/ | /day)¹ | Concentrations (mg/l) | | | | | |
| Discharge Parameter | Average Monthly | Maximum Daily | Minimum | Average Monthly | Maximum Daily | Instantaneous Maximum ² | Minimum Measurement Frequency | Sample Type | 24 Hr. Report Under Part A.3.c.(4) |
| Flow (MGD) | XX | | | | | | 2/year | estimate | |
| TSS | | | | XX | | | 2/year | grab | |
| TOC | | | | XX | | | 2/year | grab | |
| Ammonia as Nitrogen | | | | XX | | | 2/year | grab | |
| Nitrate-Nitrite Nitrogen | | | | XX | | | 2/year | grab | |
| Oil and Grease | | | | XX | | | 2/year | grab | |
| Aluminum | | | | XX | | | 2/year | grab | |
| Iron | | | | XX | | | 2/year | grab | |
| Manganese | | | | XX | | | 2/year | grab | |
| Copper | | | | XX | | | 2/year | grab | |
| Zinc | | | | XX | | | 2/year | grab | |
| рН | | | | XX | | | 2/year | grab | |

XX - Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 022 (prior to discharge South

| PART A - FFFI HENT I | LIMITATIONS. MONITOR | ING RECORDKEEPING | AND REPORTING | RECHIREMENTS |
|----------------------|----------------------|----------------------|---------------|--------------|
| IAKIA-LIILULNII | ZIMITATIONS, MONTON | ing. Recordicel ing. | | KEOUKEMENIS |

| 1. | For Outfall 023 Latitude <u>40° 59' 50"</u> Longitude <u>79° 43' 20"</u> Rive | er Mile Index | Stream Cod | e <u>49141</u> |
|----|--|--------------------|------------|----------------|
| | which receives wastewater from storm water runoff from kerosene st | torage diked area. | | |
| | a The permittee is authorized to discharge during the period from | n issuance date | to ex- | niration date |

b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

| | | | EFFLUENT | LIMITATIO | ONS | | MONITOR | MONITORING REQUIREMENTS | | |
|--------------------------|---------|----------------|---------------------|-----------|----------------|----------------------|----------------|-------------------------|---------------|--|
| | I | Mass Units (lb | s/day) ¹ | C | ncentrations (| mg/l) | | | | |
| | | | | | | | <u>Minimum</u> | | 24 Hr. Report | |
| | Average | Maximum | | Average | Maximum | Instantaneous | Measurement | Sample Type | Under Part | |
| Discharge Parameter | Monthly | Daily | Minimum | Monthly | Daily | Maximum ² | Frequency | | A.3.c.(4) | |
| Flow (MGD) | XX | | | | | | 2year | estimate | | |
| 5 Day CBOD | 7171 | | | XX | | | 1/year | grab | | |
| (*) TSS | | | | XX | | | 2/year | grab | | |
| Ammonia as Nitrogen | | | | XX | | | 1/year | | | |
| _ | | | | XX | | | • | grab | | |
| Nitrate-Nitrite Nitrogen | | | | | | 20 | 1/year | grab | | |
| Oil and Grease | | | | 15 | | 30 | 1/year | grab | | |
| (*) Aluminum | | | | XX | | | 1/year | grab | | |
| (*) Iron | | | | XX | | | 2/year | grab | | |
| Manganese | | | | XX | | | 2/year | grab | | |
| Copper | | | | XX | | | 1/year | grab | | |
| Zinc | | | | XX | | | 1/year | grab | | |
| pН | | | | XX | | | 1/year | grab | | |

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): storm water Outfall 023 (prior to discharge to South Branch Bear Creek and mixing with any other waters).

^{(*) –} See Special Condition 2 and 6 in Part C of the permit

XX - Monitor and report on monthly DMRs.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

Additional Requirements

c. All discharges of floating materials, oil, grease, scum and substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life (93.6)(b).

Footnotes (Refer to Page 2 - 2v)

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured, recorded and reported on the Discharge Monitoring Report Form.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports (DMRs) or supplemental DMRs unless specifically required on those forms to do so.

Supplemental Information

- (1) If a flow limitation is included on Page 2 2t, it is based upon the rated hydraulic design capacity of the treatment facility and will be used to determine whether a hydraulic overload exists.
- The effluent limitations for this outfall were determined using an effluent discharge of <u>0.276</u> million gallons per day for Outfall <u>001</u>, <u>varies</u> million gallons per day for Outfall <u>002</u>, <u>varies</u> million gallons per day for Outfall <u>005</u>, <u>varies</u> million gallons per day for Outfall <u>006</u>, <u>varies</u> million gallons per day for Outfall <u>007</u>, <u>varies</u> million gallons per day for Outfall <u>008</u>, <u>varies</u> million gallons per day for Outfall <u>010</u>, <u>varies</u> million gallons per day for Outfall <u>010</u>, <u>varies</u> million gallons per day for Outfall <u>011</u>, <u>varies</u> million gallons per day for Outfall <u>012</u>, <u>varies</u> million gallons per day for Outfall <u>031</u>, <u>varies</u> million gallons per day for Outfall <u>031</u>, <u>varies</u> million gallons per day for Outfall <u>032</u>, <u>varies</u> million gallons per day for Outfall <u>033</u>, <u>varies</u> million gallons per day for Outfall <u>020</u>, <u>varies</u> million gallons per day for Outfall <u>023</u>, and <u>varies</u> million gallons per day for Outfall <u>023</u>.

PART A

2. **DEFINITIONS**

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
- b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does <u>not</u> mean economic loss caused by delays in production.
- c. "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.
- d. "Average" refers to the use of an arithmetic mean, unless otherwise specified in this permit.
- e. "Geometric Average (mean)" means the average of a set of n sample results given by the nth root of their product.
- f. "Average monthly" discharge limitation means the highest allowable average of "daily values" over a calendar month, calculated as the sum of all "daily values" measured during a calendar month divided by the number of "daily values" measured during that month.
- g. "Average weekly" discharge limitation means the highest allowable average of "daily values" over a calendar week, calculated as the sum of all "daily values" measured during a calendar week divided by the number of "daily values" measured during that week.
- h. "Maximum daily" discharge limitation means the highest allowable "daily discharge."
- i. "Maximum any time" (or instantaneous maximum) means the level not to be exceeded at any time in any grab sample.
- j. "Composite Sample" (for all except GC/MS volatile organic analysis) means a combination of at least 8 individual samples of at least 100 milliliters each obtained at periodic intervals during the operating hours of a facility over a 24 hour period. The composite must be flow-proportional, either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite.
 - "Composite Sample for GC/MS volatile organic analysis" consists of at least four (rather than eight) aliquots or grab samples collected during actual hours of discharge over a 24 hour period and need not be flow proportioned. The four samples are composited in the laboratory immediately before analysis, and only one analysis performed.

The maximum time period between individual samples used for any "composite sample" shall not exceed two hours, except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).

- k. "Grab Sample" means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not to exceed 15 minutes.
- 1. "i-s" means immersion stabilization in which a calibrated device is immersed in the wastewater until the reading is stabilized.
- m. The "Daily Average" temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.
- n. "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
- o. "At outfall XXX" means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line XXX, or where otherwise specified.
- p. "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.
- q. "Non-contact cooling water" means water used to reduce temperature which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.
 - Such water may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures contain small amounts of process chemicals: <u>provided</u>, that all reasonable measures have been taken to prevent, reduce, eliminate and control the maximum extent feasible such contamination: and <u>provided</u> further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.
- r. "Toxic Pollutant"- Those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will, on the basis of information available to the Department, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in such organisms or their offspring.
- s. "Hazardous substance" means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act.

- t. "Publicly Owned Treatment Works" or "POTW" means a facility as defined by Section 212 of the Clean Water Act which is owned by a State or Municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.
- u. "Industrial User" means an establishment which discharges or introduces industrial wastes into a Publicly Owned Treatment Works (POTW).
- v. "Total Dissolved Solids" means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.
- w. "Storm water associated with industrial activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing, or raw materials storage areas as defined at 40 CFR Part 122.26(b)(14).
- x. "Storm water" means storm water runoff, snow melt runoff, and surface runoff and drainage.
- y. "Best Management Practices ("BMPs")" means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of "Waters of the United States." BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

3. SELF-MONITORING, REPORTING, AND RECORDS KEEPING

a. Representative Sampling

(1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) Records Retention

Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities which shall be retained for a period of at least 5 years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years from the date of the sample measurement, report, or application. The three year period shall be extended as requested by the Department or the EPA Regional Administrator.

(3) Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (i) The exact place, date, and time of sampling or measurements;
- (ii) The person(s) who performed the sampling or measurements;
- (iii) The date(s) the analyses were performed;
- (iv) The person(s) who performed the analyses;
- (v) The analytical techniques or methods used; and the associated detection level; and
- (vi) The results of such analyses.

(4) Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in the permit.

(5) Quality Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- (a) Permittee or its designated laboratory shall participate in the periodic scheduled quality assurance inspections conducted by the Department and EPA.
- (b) The permittee or its designated laboratory shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit in accordance with 40 CFR Part 136, Appendix A

b. Reporting of Monitoring Results

- (1) The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit.
- (2) Unless instructed otherwise in Part C of this permit, monitoring results obtained each month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR).

- (3) The completed DMR Form shall be signed and certified <u>either</u> by the following applicable person (as defined in 40 CFR 122.22(a)) <u>or</u> by that person's duly authorized representative (as defined in 40 CFR 122.22(b)):
 - * For a corporation by a responsible corporate officer
 - * For a Partnership or Sole Proprietorship by a general partner or the proprietor, respectively
 - * For a Municipality, State, Federal or other public agency by a principle executive officer or ranking elected official.

If signed by other than the above, written notification of delegation of DMR signatory authority must be submitted to the Department.

(4) If the permittee monitors any pollutant, using analytical methods described in A.3.a(4) above, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

c. <u>Reporting Requirements</u>

- (1) <u>Planned Changes</u> The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
 - (a) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in §122.29(b); or
 - (b) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under §122.42(a)(1).
 - (c) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan;

(2) <u>Anticipated Non-Compliance</u>

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(3) <u>Compliance Schedules</u>

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(4) <u>Twenty-Four Hour Reporting</u>

- (a) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- (b) The following shall be included as information which must be reported within 24 hours under this paragraph.
 - (i) Any unanticipated bypass which exceeds any effluent limitation in the permit.
 - (ii) Any catastrophic event which causes the discharge to exceed effluent limitations in this permit.
 - (iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.
- (c) The Department may waive the written report on a case-by-case basis for reports under paragraph c (4)(a) of this section if the oral report has been received within 24 hours.

(5) Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraphs c(3), (4) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph c(4) of this section.

Compliance with reporting requirements under A.3.c. above shall not excuse a person from <u>immediate</u> notification of incidents causing or threatening pollution pursuant to 25 PA Code 101.2.

- d. <u>Specific Toxic Substance Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Dischargers)</u> The permittee shall notify the Department as soon as it knows or has reason to believe the following:
 - (1) That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels."
 - (a) One hundred micrograms per liter.
 - (b) Two hundred micrograms per liter for acrolein and acrylonitrile.
 - (c) Five hundred micrograms per liter for 2, 4-dinitrophenol and 2-methyl -4, 6-dinitrophenol.
 - (d) One milligram per liter for antimony.
 - (e) Five (5) times the maximum concentration value reported for that pollutant in the permit application.
 - (f) Any other notification level established by the Department.
 - (2) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (a) Five hundred micrograms per liter;
 - (b) One milligram per liter for antimony;
 - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application;
 - (d) Any other notification level established by the Department.

PART B

1. MANAGEMENT REQUIREMENTS

a. <u>Compliance Schedules</u>

- (1) The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in Part C of this permit.
- (2) The permittee shall submit reports of compliance or noncompliance with, or progress reports as applicable, any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline.

b. Permit Modification, Termination, or Revocation and Reissuance

- (1) This permit may be modified, suspended, or revoked in whole or in part during its term for cause, including, but not limited to, any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (3) In the absence of a Departmental action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions.

c. Duty to Provide Information

- (1) The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.

- (4) Where the permittee is a POTW, the permittee shall provide adequate notice to the Department of the following:
 - (a) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging those pollutants.
 - (b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an Industrial User which was discharging into the POTW at the time of issuance of this permit.
 - (c) For the purpose of this paragraph, adequate notice shall include information on:
 - (i) any change in the quality and quantity of the effluent introduced into the POTW, and
 - (ii) any anticipated impact of the change on the quality or quantity of the effluent to be discharged from the POTW.

The submission of the above information in the POTW's Annual Wasteload Management Report, required under the provisions of 25 Pa. Code Chapter 94, will normally be considered as providing adequate notice to the Department, unless a more stringent time period is required by law, regulation, or permit condition in which case the more stringent submission date shall apply

- (d) The identity of Industrial Users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the Industrial Users.
- (e) The POTW shall require all Industrial Users to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.

d. Facilities Operation

The permittee shall at all times maintain in good working order and properly operate and maintain all facilities and systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems which are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit.

The permittee shall develop, install, and maintain Best Management Practices to control or abate the discharge of pollutants when the practices are reasonably necessary to achieve the effluent limitations and standards in this permit or to carry out the purposes and intent of the Clean Water Act, or when required to do so by the Department.

e. <u>Adverse Impact</u>

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

f. Bypassing

- (1) <u>Bypassing Not Exceeding Permit Limitations</u> The permittee may allow a bypass to occur which does not cause effluent limitations to be violated, <u>but only</u> if the bypass is essential for maintenance to assure efficient operation. This type of bypassing is <u>not</u> subject to the reporting and notification requirements of Part A.3.c.
- (2) Other Bypassing In all other situations bypassing is prohibited unless all of the following conditions are met:
 - (a) A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage";
 - (b) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed (in the exercise of reasonable engineering judgment) to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;
 - (c) The permittee submitted the necessary reports required under Part A.3.c.
- (3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions (a through c) listed above.

2. PENALTIES AND LIABILITY

a. <u>Violations of Permit Conditions</u>

Any person violating Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative, and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality who violates any provision of this permit, any rule, regulation, or order of the Department, or any condition or limitation of any permit issued pursuant to the Clean Streams Law is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

b. <u>Falsifying Information</u>

Any person who does any of the following:

Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintain under this permit; or

Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or non- compliance).

shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 18 P.S. §4904 and 40 CFR 122.41(j)(5) and (k)(2).

c. <u>Liability</u>

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

d. Enforcement Proceedings

(1) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. OTHER RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator, and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) To have access to and copy at reasonable times any records that must be kept under the conditions of this permit;
- (3) To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- (4) To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

b. <u>Transfer of Permits</u>

- (1) Transfers by modification. Except as provided in paragraph (2) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- (2) Automatic transfers. As an alternative to transfers under paragraph (1) of this section, any NPDES permit may be automatically transferred to a new permittee if:
 - (a) The current permittee notifies the Department at least 30 days in advance of the proposed transfer date in paragraph (2)(b) of this section;
 - (b) The notice includes the appropriate Department transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
 - (c) The Department does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph (2)(b) of this section.

(3) In the event the Department does not approve transfer of the permit, the new owner or controller must submit a new permit application.

c. <u>Property Rights</u>

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.

d. Other Laws

The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

I. OTHER REQUIREMENTS

ONE: Properly completed and signed Discharge Monitoring Reports (DMRs), as described in Part A.3.b of this permit, shall be submitted, within 28 days after the end of each monthly reporting period, to the Department (and the EPA Regional Office, if noted below) at the following address:

PA Dept. of Environmental Protection Northwest Regional Office - Water Management 230 Chestnut Street Meadville, PA 16335 Office of Compliance & Enforcement (3WP30) NPDES Branch Water Protection Division US EPA -- Region III 1650 Arch Street Philadelphia, PA 19103-2029

II. SPECIAL CONDITIONS

1. Chemical Additives

Chemical additives to control corrosion, scaling, algae, slime, fouling, oxygen, etc., and blowdown discharge rates shall be managed by the permittee to ensure that toxic effects in the receiving stream are prevented. Usage rates shall be limited to the minimum amount necessary to accomplish the intended purposes of the chemical addition and approval is limited to the chemicals and usage rates contained in the application.

Whenever a change in chemical additive or increase in usage rates is desired by the permittee, a written notification in the format specified by the Department, shall be submitted at least sixty (60) days prior to the proposed use of the chemical. For each proposed chemical or usage rate, the written notification, as a minimum, shall include the following:

- A. Trade names of additive;
- B. Name and address of additive manufacturer;
- C. Material Safety Data Sheet (MSDS) or other available information on mammalian or aquatic toxicological effects;
- D. Bioassay data including the 96-hour LC_{50} on the whole product,
- E. Proposed average and maximum additive usage rates in pounds per day;
- F. A flow diagram showing the point of chemical addition and the affected outfalls;

II. SPECIAL CONDITIONS (continued)

- G. The expected concentration of the product at the final outfall;
- H. The product density for liquids (pounds per gallon) used to convert the usage rate (gallons per day) to in-system concentrations (Milligrams per Liter);
- I. The analytical test method that could be used to verify final discharge concentrations when the product is in use and the associated minimum analytical detection level in Milligrams per Liter;
- J. The conditioned water discharge rate or blowdown rate and duration in hours;
- K. Available data on the degradation of or decomposition of the additive in the aquatic environment; and
- L. Any other data or information the permittee believes would be helpful to the Department in completing its review.

Use of products or chemicals that contain one or more ingredients that are carcinogens is generally prohibited. Before proposing limited use of such products or chemicals, the permittee must first thoroughly investigate use of alternative products or chemicals to avoid the use of the carcinogens. If no suitable alternatives are available, the permittee must submit written documentation as part of the information required above, that demonstrates to the satisfaction of the Department that no suitable alternatives are available and any carcinogen in the proposed chemical or product will not be detectable in the final effluent using the most sensitive analytical method available.

Based on the information presented, the Department will determine within sixty (60) days whether the existing NPDES permit must be amended to include specific effluent limitations for active ingredients or other control measures. When so required, the permittee will be advised within sixty (60) days that a formal request for a permit amendment is required including a filing fee and Act 14 notices.

If a permit amendment application is not requested within sixty (60) days, the permittee may proceed with the use of the proposed chemical additive or usage rate.

II. SPECIAL CONDITIONS (continued)

Accurate records of usage (name of additive, quantity added, date added) of any approved chemical additive and blowdown discharge volumes must be maintained on the Chemical Additive Reporting Form and kept on-site by the permittee. All correspondence and notifications related to the chemical additives and usage rates must also be kept on-site with the required daily chemical usage records. If the notification is incomplete or the Department notifies the permittee that the proposed usage rate will cause violations of water quality standards, then use of the requested chemical additive or requested change in its usage rate will be denied.

2. Storm Water Sampling Requirements

- A. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event.
- B. Grab samples shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge and the discharger shall submit on the Department form entitled "Additional Information for the Reporting of Stormwater Discharge Monitoring," a description of why a grab sample during the first 30 minutes is impracticable.
- C. The permittee shall submit the additional information requested in the attached Department form entitled, "Additional Information for the Reporting of Stormwater Discharge Monitoring." This additional information shall be submitted along with the DMR form.
- D. When the discharger is unable to collect samples due to adverse climatic conditions, the discharger must submit in lieu of sampling data a description of why samples could not be collected, including available documentation of the event. Adverse climatic conditions which may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.). This information shall be submitted on the attached form entitled "Additional Information for the Reporting of Storm Water Discharge Monitoring."

II. SPECIAL CONDITIONS (continued)

E. Pollution Reduction Report

For the pollutants listed at the outfalls below, the permittee shall survey the plant to identify the sources of the pollutants, implement measures to eliminate or reduce the pollutants, and submit a Pollutant Reduction Report to the Department within 3 years from PID. In the report the permittee shall: (a) identify the sources of the pollutants; (b) describe those measures that were tried after issuance of this permit and their effectiveness in eliminating or reducing the pollutants; and (c) describe and submit schedules for those measures that will be put into effect. Semi-annual status reports shall be submitted by January 31 and June 30 of each year of this 3-year period.

<u>Outfall</u> <u>Pollutants</u>

006 - 014, 031 - 034, and 023

Aluminum and Total Iron

PID -- Permit Issuance Date

3. <u>Temperature</u>

This discharge shall not cause a change in the stream temperature of more than \pm 2°F during any one hour.

4. <u>Solids Handling</u>

All solid waste generated at the site must be disposed in a method approved by the Department of Environmental Protection Waste Management Program.

II. SPECIAL CONDITIONS (continued)

5. Measurement of final thermal effluent limitations.

For Outfall 001 in order to demonstrate compliance with thermal discharge limitations, the permittee shall monitor the following parameters:

| <u>Parameter</u> | Units | Monitoring Location |
|------------------------------------|-------|---------------------|
| Waste discharge, Qd | MGD | Outfall 001 |
| Waste discharge temperature, Td | °F | Outfall 001 |
| Plant intake water temperature, T1 | °F | Sample Point 101 |

To demonstrate compliance, the permittee shall perform the following calculation: $Qd \times 8.34 (Td - T1) = Actual Heat Discharge Rate, MBTU/day$

6. Storm Water Sampling Reduction

If all bi-annual sample results are less than the cut-off concentration for that parameter for the time period from one year after PID to two years after PID, then the sampling frequency shall be reduced to 1/year for the remainder of the permit for that parameter.

| | <u>Cut-Off Concentration</u> |
|----------|------------------------------|
| TSS | 100 mg/l |
| Aluminum | 0.75 mg/l |
| Iron | 1 mg/l |

PID -- Permit Issuance Date

7. Flow Augmentation Verification

The total water consumption by the facility, the amount of water withdrawn from South Branch Bear Creek (SBBC), the amount of evaporative losses, and the discharge flow at Outfall 001 shall be calculated in order to verify the flow augmentation that was utilized in the temperature model. These flows should be calculated annually in the absence of storm water on a monthly average basis in order to calculate the amount of flow that is being utilized from sources other than SBBC. Alternatively, the sources of water other than SBBC can be measured directly. Some measurements may be approximate. This data is to be submitted with the NPDES renewal application.

II. SPECIAL CONDITIONS (continued)

8. Effective Disinfection

The permittee shall provide for effective disinfection of this discharge to control disease-producing organisms during the swimming season (May 1 through September 30) to achieve a fecal coliform concentration not greater than 200/100 ml as a geometric average (mean), and not greater than 1,000/100 ml in more than 10% of the samples tested.

PERMITTEE NAME ADDRESS (include

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

| DISCHARGE | MONIT | ORING | REPORT | (DMK) |
|-----------|-------|-------|--------|-------|
| | | | | |

| TERMITTEE NAME ADDRESS (Include NA) | TIONAL FOLLOTANT DISCHARGE ELIMINATION STSTEM (NI DES) | | | | | | | | | |
|--|--|----------|-------|----|-------|----------|------|--|--|--|
| Facility Name / Location if different) | DISCHARGE MONITORING REPORT (DMR) | | | | | | | | | |
| NAME: Penreco | _ | (2-16) | | | | (17-19) | | | | |
| ADDRESS: 138 Petrolia Street | | PA000213 | | | 001 | | | | | |
| Karns City, Pa 16041 | PEF | RMIT NUM | 1BER | | DISCH | IARGE NU | MBER | | | |
| | | | ERIOD | | | | | | | |
| FACILITY: WQ/IW/Tech | YEAR | MO | DAY | TO | YEAR | MO | DAY | | | |
| LOCATION: Karns City Borough | | | | | | | | | | |

FORM APPROVED. OMB NO. 2040-0004. Northwest Region Facsimile

| COUNTY: Butler C | County | | (20-21) | 22-23) | (24-25) | (26-27) (28 | (-29) (30-31) | NOTE: Rea | d instructi | ons before com | pleting thi | is form |
|-----------------------------------|-----------------------|---|---|------------------|--------------------------|-------------------------|--------------------------|----------------|-------------|-----------------------------|----------------|------------|
| Parameter (32-37) | | (3 Card Only) (4653) | QUANTITY OR LOA (54-61) | DING | (4 Card Only) (38-45) | QUALITY OR ((46-53) | CONCENTRATION (54-61) | | NO. EX | FREQUENCY OF ANALYSIS | SAM TY | IPLE PE |
| | | Average | Maximum | UNITS | MINIMUM | Average | MAXIMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | |
| _, | Permit | | | | | | | | | | | |
| Flow | Requirement | XX | | MGD | | | | | | continuous | reco | rded |
| CDOD | Sample | | | | | | | | | | | |
| CBOD ₅ (05/01 - 10/31) | Measurement | 2.7 | 7.4 | 11 / 1 | | 16 | 22 | | | 1.1 | 241 | |
| (11/01 - 04/30) | Permit Requirement | 37 74 | 74 148 | lb/day lb/day | | 16 32 | 32 64 | m g/l m g/l | | weekly weekly | 24-hr 24-hr | |
| (11/01 - 04/30) | Sample | /4 | 146 | 10/day | | 32 | 04 | III g/1 | | weekiy | 24-111 | comp |
| | Measurement | - | | | | | | | | | | |
| | Permit | | | | | | | | | | | |
| TSS | Requirement | XX | XX | lb/day | | 45 | 135 | mg/l | i | weekly | 24-hr | comp |
| | Sample | | | <u> </u> | | | | | | | | <u> </u> |
| | Measurement | | | | | | | | | | | |
| | Permit | | | | | | | | | | | |
| Oil & Grease | Requirement | XX | | lb/day | | 15 | | mg/l | | weekly | 3 grab | s/24 h |
| | Sample | | | | | | | | | | | |
| Ammonia Nitrogen | Measurement | | | | | | | | | | | |
| (05/01 - 10/31) | Permit | 3 | 6 | lb/day | | 1.3 | 2.6 | m g/l | | we ek ly | 24-hr | |
| (11/01 - 04/30) | Requirement | 9 | 18 | lb/day | | 3.9 | 7.8 | mg/l | | we ek ly | 24-hr | comp |
| | Sample Measurement | _ | | | | | | | | | | |
| | Permit | | | | | | | | | | 1 | |
| Dissolved Oxygen | Requirement | - | | | 5.0 | | | m g/l | | daily | or | rab |
| | Sample | | | | | | | 8 | | | 8- | |
| | Measurement | | | | | | | | | | | |
| | Permit | | | | | | | | | | | |
| Aluminum | Requirement | 1.43 | 2.86 | lb/day | | 0.62 | 1.24 | mg/l | | weekly | 24-hr | comp |
| NAME/TITLE PRINCIPAL EXEC | UTIVE I CERTI | FY UNDER PENALT | Y OF LAW THAT I HAVE | PERSONALLY | EXAMINED | | | TELEPHON | Е | | DATE | |
| OFFICER | | | HE INFORMATION SUBMIT | | | | | | | | | |
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| TYPE OR PRINT | years) | | | | OF | FICER OR AUTHORIZE | D AGENT | | | | | |

Page 1 of 5

NOTE: YOUR PERMIT WILL EXPIRE ON ; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Facility Name / Location if different) DISCHARGE MONITORING REPORT (DMR) NAME: Penreco FORM APPROVED. (2-16)(17-19)ADDRESS: 138 Petrolia Street OMB NO. 2040-0004. PA0002135 001 Karns City, Pa 16041 PERMIT NUMBER DISCHARGE NUMBER Northwest Region Facsimile MONITORING PERIOD FACILITY: WQ/IW/Tech YEAR MO DAY TO YEAR DAY MO LOCATION: Karns City Borough COUNTY: **Butler County** (20-21)(22-23)(24-25)(26-27)(28-29)(30-31)NOTE: Read instructions before completing this form **QUANTITY OR LOADING** Parameter (4 Card Only) QUALITY OR CONCENTRATION NO. FREQUENCY SAMPLE (3 Card Only) (32-37)(46 - -53)(54-61)(38-45)(46-53)(54-61)EX OF **TYPE** ANALYSIS UNITS MINIMUM MAXIMUM UNITS (62-63)(64-68)(69-70)AVERAGE **AVERAGE** MAXIMUM Sample Measurement Permit Iron XXXXlb/day weekly 24-hr comp Requirement 2 4 mg/lSample Measurement Permit Manganese XXXX2 Requirement 1b/day 1 mg/1weekly 24-hr comp Sample Measurement Permit Copper Requirement 0.058 0.12 lb/day 0.025 0.063 weekly 24-hr comp mg/1Sample Measurement Permit Lead 0.03 0.06 lb/day 0.013 0.026 we ekly 24-hr comp Requirement mg/1Sample Measurement Permit Zinc 0.15 Requirement XXXXlb/day 0.058 mg/1we ekly 24-hr comp Sample Measurement Temperature Permit Average Daily daily immersion stab January 1 - 31 Requirement 63 MBTU/day Sample Measurement Permit February 1 - 29 Requirement 38 MBTU/day NAME/TITLE PRINCIPAL EXECUTIVE I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE OFFICER ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to SIGNATURE OF PRINCIPAL EXECUTIVE AREA \$10,000 and or maximum imprisonment of between 6 months and 5 CODE NUMBER YEAR МО DAY TYPE OR PRINT years) OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page <u>2 of 5</u>

| NOTE: YOUR PERMIT W | | | ; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) | | | | | | | | | | | |
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| PERMITTEE NAME ADDRI | * | 1 | | | | | | EM (NPDES | 5) | | | | | |
| Facility Name / Location if di NAME: Penreco | nerent) | | DIS | | MONITOR | CING KE | PORT (DMR) | 0) | | | EOD | M APPRO | WED | |
| | | | | (2-16) | _ | _ | (17-19 | | | | | | | |
| ADDRESS: 138 Petrolia St | | | | PA000213 | | | 00 | | | | OMI | 3 NO. 2040 | 0-0004. | |
| Karns City, Pa | 16041 | | PER | RMIT NUM | BER | | DISCHARG | E NUMBEI | ₹. | | Nort | hwest Regi | on Facsin | nile |
| | | | | | MONIT | ORING F | PERIOD | | | | | | | |
| FACILITY: WQ/IV | //Tech | | YEAR | MO | DAY | TO | YEAR M | IO DA | Y | | | | | |
| LOCATION: Karns City I | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Coun | | | (20-21) | (22-23) | (24-25) | l | (26-27) (28- | -29) (30-: | 31) NO | OTE: Rea | d instructio | ons before co | npleting th | is form |
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| | | Average | Maximum | UNITS | MIN | IIMUM | Average | MAXIMU | M | UNITS | (62-63) | (64-68) | (69 | -70) |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| Temperature (continued) | Permit | Average Daily | | | | | | | | 1 | | daily | immers | sion stab |
| March 1 - 31 | Requirement | 77 MBTU/day | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| April 1 - 15 | Permit | 115 MDTII/day | | | | | | | | | | | | |
| April 1 - 13 | Requirement 115 MBTU/day Sample | | | | _ | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | i | | | | | | 1 | | | | |
| April 16 - 30 | Requirement | 207 MBTU/day | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| M. 1 15 | Permit | | | | | | | | | | | | | |
| May 1 - 15 | Requirement | 131 MBTU/day | | | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | | | | |
| | Permit | | | | 1 | | | | | 1 | | | | |
| May 16 - 31 | Requirement | 196 MBTU/day | | | | | | | | | | | | |
| j | Sample | j | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| June 1 - 15 | Requirement | 102 MBTU/day | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | 1 | | | | |
| June 16 - 30 | Requirement | 66 MBTU/day | | ļ | l I | | i | ļ | | ŀ | | | I | |
| NAME/TITLE PRINCIPAL EXECUTIV | _ | Y UNDER PENALTY OF | F LAW THAT I HA | VE PERSONAI | LY EXAMINE | D | | | Т | ELEPHON | E | | DATE | 1 |
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| | - | | ler these statutes may includes fines up to mprisonment of between 6 months and 5 | | | = | | | | NUMBE | ER | YEAR | MO | DAY |
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Page <u>3 of 5</u>

| NOTE: YOUR PERMIT W | ILL EXPIRE | ON | ; PLEAS | E SUBMI | T YOUR RE | ENEWAL | APPLICATION | BEFOR | E | | · | | | |
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| Facility Name / Location if di | fferent) | | DIS | SCHARG | E MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17- | 19) | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | | PA00021 | 35 | | (| 001 | | | OMI | 3 NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | PE | RMIT NU | MBER | | DISCHAR | GE NUME | ER | | Nort | hwest Regi | on Facsin | nile |
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| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | ТО | 1 | I ON | DAY | | | | | |
| LOCATION: Karns City I | | | TEAR | WIO | Ditti | • 10 | TL/IIC I | 10 1 | 7711 | | | | | |
| <u> </u> | | | | / | | | | | | | | | | |
| COUNTY: Butler Cour | ity | | (20-21) | (22-23) | (24-25) | | | | | NOTE: Read | d instructio | ons before co | | |
| Parameter (32-37) | | (3 Card Only) Q (4653) | (54-61) | LOADING | (4 Care | d Only) 8-45) | QUALITY OR (46-53) | | RATION 54-61) | | NO. EX | FREQUENCY OF ANALYSIS | SAM | IPLE 'PE |
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| | Sample | | | | | | | | | | | | | |
| T () | Measurement | | | | | | | | | _ | | | | |
| Temperature (continued) | Permit | Average Daily | | | | | | | | | | daily | immers | ion stab |
| July 1 - 31 | Requirement Sample | 42 MBTU/day | | | | | | - | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| August 1 - 31 | Requirement | 37 MBTU/day | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | 1 | |
| September 1 - 15 | Requirement | 49 MBTU/day | | | | | | | | | | | | |
| 2 op 100000 | Sample | ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| Santambar 16 20 | Permit | 20 MPTH/1 | | | | | | | | | | | | |
| September 16 - 30 | Requirement Sample | 30 MBTU/day | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | 1 | | | | |
| October 1 - 15 | Requirement | 77 MBTU/day | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | _ | | | | | | _ | |
| October 16 - 31 | Requirement | 58 MBTU/day | | | | | | | | | | | | |
| | Sample | , | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| November 1 - 15 | Permit | 01 MDTII/4 | | | ļ | | | ļ | | ļ | | | ļ | |
| NAME/TITLE PRINCIPAL EXECUTIV | Requirement | 81 MBTU/day TFY UNDER PENALTY O | E I AW THAT I H | AVE DEDSON | ALLY EVAMINE | ED. | | | 1 | TELEPHON | F | 1 | DATE | I |
| OFFICER | | M FAMILIAR WITH THE | | | | | | | | TELEFHON | L | | DATE | |
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 4 of 5

NOTE: YOUR PERMIT WILL EXPIRE ON ; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Facility Name / Location if different) DISCHARGE MONITORING REPORT (DMR) NAME: Penreco FORM APPROVED. (2-16)(17-19)ADDRESS: 138 Petrolia Street OMB NO. 2040-0004. PA0002135 001 Karns City, Pa 16041 PERMIT NUMBER DISCHARGE NUMBER Northwest Region Facsimile MONITORING PERIOD FACILITY: WQ/IW/Tech YEAR MO DAY TO YEAR DAY MO LOCATION: Karns City Borough COUNTY: **Butler County** (20-21)(22-23)(24-25)(26-27)(28-29)(30-31)NOTE: Read instructions before completing this form **QUANTITY OR LOADING** Parameter (4 Card Only) QUALITY OR CONCENTRATION NO. FREQUENCY SAMPLE (3 Card Only) (32-37)(46 - -53)(54-61)(38-45)(46-53)(54-61)EX OF TYPE ANALYSIS UNITS MINIMUM MAXIMUM UNITS (62-63)(64-68)(69-70)AVERAGE **AVERAGE** MAXIMUM Sample Measurement Temperature (continued) Permit daily immersion stab November 16 - 30 77 MBTU/day Requirement Sample Measurement Permit December 1 - 31 66 MBTU/day Requirement Sample Measurement Permit Fecal Coliform Requirement 200 $/100 \, \text{m}1$ annual grab Sample Measurement Permit Phenol Requirement XXXXlb/day 0.012 0.021 mg/1quarterly grab Sample Measurement Permit std. рН 9.0 Requirement 6.0 units daily grab Sample Measurement Permit Requirement Sample Measurement Permit NAME/TITLE PRINCIPAL EXECUTIVE TELEPHONE I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED DATE OFFICER AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to SIGNATURE OF PRINCIPAL EXECUTIVE AREA \$10,000 and or maximum imprisonment of between 6 months and 5 CODE NUMBER YEAR МΟ DAY TYPE OR PRINT years) OFFICER OR AUTHORIZED AGENT COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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| NOTE: YOUR PERMIT V | VILL EXPIRE (| ON | ; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE | | | | | | | | | | | |
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| PERMITTEE NAME ADDR | N | ATIONAL PO | DLLUTAN | T DISCHAR | GE ELIMI | NATION SYST | EM (NPDI | ES) | | | | | | |
| Facility Name / Location if d | ifferent) | | DIS | CHARG | E MONITO | RING REI | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | .9) | | | FOF | RM APPRO | √ED. | |
| ADDRESS: 138 Petrolia S | treet | | | PA00021 | 35 | 1 | 0 | 02 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | RMIT NU | | 1 | DISCHARO | E NUMB | ER | | Nor | thwest Regio | n Facsin | oile |
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| | W/Tech | | YEAR | MO | DAY | ТО | YEAR N | AO D | AY | | | | | |
| LOCATION: Karns City | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) (3 | 0-31) | NOTE: Rea | d instructi | ons before con | pleting thi | is form |
| Parameter | | (3 Card Only) QU | ANTITY OR I | OADING | (4 Car | d Only) | QUALITY OR | Concenti | RATION | | NO. | FREQUENCY | SAM | 1PLE |
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| | | Average | Maximum | UNI | ts Mi | NIMUM | Average | Maxim | UM | UNITS | (62-63) | (64-68) | (69 | -70) |
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| | Measurement | | | | | | | | | | | | | |
| T | Permit | | | | | | | | | | | | | |
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| | Sample | | | | | | | | | | | | <u> </u> | - |
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| 7. | Permit | | | | | | | | | | | | | |
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| | | and or maximum in | | | | | | | CODE | | ΞR | YEAR | MO | DAY |
| TYPE OR PRINT | | | | Off | ICER OR AUTHORIZE | ED AGENT | | | | | | | | |
| COMMENT AND EXPLAN | IATION OF AN | Y VIOLATIONS (Re | eference all atta | achments b | ere) | - | · | | - | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR R | ENEWAL . | APPLICATION | BEFORE | | · | | | |
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| PERMITTEE NAME ADDR | ESS (include | N | IATIONAL PO | LLUTANT | DISCHAF | RGE ELIMI | INATION SYSTI | EM (NPDES) | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE | MONITO | RING REI | PORT (DMR) | , , , , , | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | FOF | RM APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | 1 | PA000213 | 5 | | 0 | 04 | 1 | | B NO. 2040 | | |
| Karns City, Pa | | | | RMIT NUM | | | | E NUMBER | - | | | | .:1 ₀ |
| Kams City, 1 a | 100-1 | | 1 LI | CIVILL INCIVI | | TODDIC | | JE NOMBER | <u> </u> | NOT | thwest Regi | on racsin | iiie |
| | | | | | | TORING P | | | | | | | |
| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | TO | YEAR M | 1O DAY | | | | | |
| LOCATION: Karns City l | Borough | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | _ | (26-27) (28 | 3-29) (30-31) | NOTE: Re | ad instructi | ions before cor | npleting th | is form |
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| (32 37) | | (10 00) | (2 : 2 :) | | (| / | (10 22) | (= 1 = 1) | | 121 | ANALYSIS | | 1 L |
| | | Average | Maximum | UNITS | Mı | NIMUM | Average | Maximum | UNITS | (62-63) | (64-68) | (69 | -70) |
| | Sample | | | | | | | 1 | | | | _ | |
| | Measurement | 1 | | | | | | | | | | | |
| T.I. | Permit | | | | | | | | | | | | |
| Flow | Requirement | XX | | MGI |) | | | | | | 2/m onth | meas | sured |
| | Sample Measurement | 4 | | | | | | | | | | | |
| | Permit | | | | | | | + | | | | | |
| TSS | Requirement | 1 | | | | | 30 | | mg/l | | 2/m onth | gr | ab |
| | Sample | | | | | | | | | | | — | |
| | Measurement | 1 | | | | | | | | | | | |
| 0.1 1.0 | Permit | | | | | | | | | | | | |
| Oil and Grease | Requirement | | | | | | 15 | | m g/l | | 2/m onth | gr | ab |
| | Sample Measurement | | | | | | | | | | | | |
| | Permit | + | | | | | | 1 | | | | | |
| Total Iron | Requirement | 1 | | | | | 1.4 | 2.8 | mg/l | | 2/m onth | gr | ab |
| | Sample | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | |
| Manganasa | Permit | | | | | | 1.0 | 2.0 | | | 2/ | | 1. |
| Manganese | Requirement Sample | | | | | | 1.0 | 2.0 | mg/l | | 2/m onth | gr | ab |
| | Measurement | - | | | | | | | | | | | |
| | Permit | + | | | | | | | std. | | | | |
| pH | Requirement | 1 | | | | 6.0 | | 9.0 | units | | 2/m onth | gr | ab |
| | Sample | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | |
| | Permit Requirement | | | ļ | ļ | | | ļ | | ļ | | ļ | |
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| OFFICER | | FAMILIAR WITH THE IN | | | | | | | TELETITO | NE | | DATE | |
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| TYPE OR PRINT | years) | | | | | OFF | ICER OR AUTHORIZE | ED AGENT | | | | | |
| COMMENT AND EXPLAN | ATION OF AN' | Y VIOLATIONS (Re | eference all atta | chments he | re) | - | | | | | | | - |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; | PLEASE | SUI | BMIT Y | OUR RE | ENEWAL A | APPLICAT | TON BI | EFORE | E | | | • | | | |
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| PERMITTEE NAME ADDR | NATIO | ONAL PO | LLU' | TANT D | ISCHAR | GE ELIMI | NATION S | YSTEM | (NPDI | ES) | | | | | | | | |
| Facility Name / Location if di | ifferent) | | | DIS | CHA | RGE M | ONITO | RING REF | PORT (DM | R) | | | | | | | | |
| NAME: Penreco | | | | | (2-16 | 5) | | | | (17-19) | | | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | treet | | | I | PA00 | 002135 | | | | 005 | | | | | OMI | 3 NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | | | NUMB | ER | | DISCH | IARGE 1 | JUMB | ER | | | Nort | hwest Regio | n Facsin | nile |
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| FACH ITY WO'N | V/TC 1 | | | 3/EAD | | 10 | | 1 | | 140 | | A 37 | | | | | | |
| FACILITY: WQ/IV | | | | YEAR | IV. | 10 | DAY | TO | YEAR | MO | L | AY | | | | | | |
| LOCATION: Karns City | Borough | | | | | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | | (20-21) | (22 | -23) | (24-25) | | (26-27) | (28-29) | (3 | 0-31) | NOT | E: Read | l instructio | ons before con | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANT | ITY OR L | OAD | ING | (4 Card | d Only) | QUALITY | OR CON | ICENTI | RATION | | | NO. | FREQUENCY | SAM | IPLE |
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| , | | | | | | | | | | | | | | | | ANALYSIS | | |
| | | Average | N | A AXIMUM | | UNITS | Mn | NIMUM | AVERAG | GE I | Maxim | UM | | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | | | | | |
| Flow | Permit | VV | | | | MCD | | | | | | | | | | 2/ 4 | ,. | |
| Flow | Requirement Sample | XX | | | | MGD | | | | | | | | | | 2/m onth | estin | n ate |
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| CBOD ₅ | Requirement | | | | | | | | XX | | | | | mg/1 | | 2/year | gr | ab |
| | Sample | | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | | | | | |
| TSS | Permit | | | | | | | | XX | | | | c/1 | | | 2/m onth | ~** | a la |
| 133 | Requirement Sample | | | | | | 1 | | ΛΛ | | | | -+ | mg/l | | 2/111011111 | gr | ав |
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| | Sample | | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Permit Requirement | | | | | | | | XX | | | | | mg/l | | 2/year | gr | ah |
| 7 Hillioma us Tviarogen | Sample | | | | | | 1 | | AA | | | | - | mg/1 | | 2/ y car | g1 | 40 |
| | Measurement | 1 | | | | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | | | | | |
| Nitrate-Nitrite Nitrogen | Requirement | | | | | | | | XX | | | | | m g/l | | 2/year | gr | ab |
| | Sample | | | | | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | | | | | 1 | |
| Aluminum | Requirement | <u> </u> | | | | | | | XX | | | | ł | mg/l | | 2/m onth | or | ab |
| NAME/TITLE PRINCIPAL EXECUTIV | • | FY UNDER PENALTY O | LAW | тнат І нач | VE PE | RSONALL | Y EXAMINE | ED | | | | 1 | TEI | EPHONI | E | 27 111 0 11 0 11 | DATE | I |
| OFFICER | | FAMILIAR WITH THE | | | | | | | | | | | | | | | | |
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| | | | = | | | | | AREA | | | | | | | | | | |
| | \$10,000 | and or maximum i | m imprisonment of between 6 months and 5 CODE NUMBER YEAR | | | | YEAR | MO | DAY | | | | | | | | | |
| TYPE OR PRINT | | | | OFF | ICER OR AUTH | ORIZED A | GENT | | | | | | | | | | | |
| COMMENT AND EXPLAN | ATION OF AN' | Y VIOLATIONS (R | eteren | ice ail atta | cnme | ents here |) | | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE OFFICER AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INOUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to SIGNATURE OF PRINCIPAL EXECUTIVE AREA \$10,000 and or maximum imprisonment of between 6 months and 5 CODE NUMBER YEAR MO DAY TYPE OR PRINT years) OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

| NOTE: YOUR PERMIT W | | | | | | | APPLICATION | | | | · | | | |
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| PERMITTEE NAME ADDR Facility Name / Location if di | | N. | | | | | INATION SYST PORT (DMR) | EM (NPDE | 5) | | | | | |
| NAME: Penreco | merent) | | DIS | | MONTO | KING KE | • | 0) | | | FOR | M APPRO | VED | |
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| | | | | PA000213 | | | | 06 | _ | | | B NO. 2040 | | |
| Karns City, Pa | 16041 | | PEF | RMIT NUN | | | DISCHARO | jE NUMBE | R | | Nort | hwest Regi | on Facsin | nile |
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| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | TO | YEAR N | IO D | ΑY | | | | | |
| LOCATION: Karns City l | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | | | (20-21) | (22-23) | (24-25) | _ | (26-27) (28 | 3-29) (30 | -31) | NOTE: Res | d instructi | ons before coi | nnleting th | is form |
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| Parameter | | ` , | JANTITY OR L | OADING | | d Only) | QUALITY OR | | | | NO. | FREQUENCY | | IPLE |
| (32-37) | | (4653) | (54-61) | | (. | 38-45) | (46-53) | (5) | 4-61) | | EX | OF ANALYSIS | TY | PE |
| | | Average | MAXIMUM | UNIT | c Mı | INIMUM | AVERAGE | Maximu | TM. | UNITS | (62-63) | (64-68) | (60 | -70) |
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| 100 | Sample | + | | | | | AA | | | mg/1 | | 2/ y car | 51 | 40 |
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| Ammonia as Nitrogen | Requirement | 1 | | | | | XX | | | m g/1 | | 1/year | gr | ab |
| <u> </u> | Sample | | | | | | | | | | | | | |
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| | | and or maximum in | nprisonment of | between 6 | nonths and | | | | CODE | NUMBI | ER | YEAR | MO | DAY |
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| ADDRESS 38 Petrolia Street PAOWOLITS Northwest Region Faccility PAOWOLITS PRODUCTION PRODUCTI | NOTE: YOUR PERMIT W PERMITTEE NAME ADDR Facility Name / Location if di | ESS (include | | NATIONAL PO | LLUTANT | DISCHAR | GE ELIM | APPLICAT INATION S PORT (DM | YSTEM | | | | • | | | |
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| PACH FUNDAME PROVIDENCE PACH | ADDRESS: 138 Petrolia St | reet | |] | PA0002135 | 5 | | | 006 | |] | | OME | 3 NO. 2040 | -0004. | |
| FACILITY: WOJWTech | Karns City. Pa | 16041 | | | | | | DISCH | | NUMBER | | | Nort | hwest Regi | on Facsin | nile |
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| Parameter (32-37) | LOCATION: Karns City I | Borough | | | | | | | | | | | | | | |
| (32-37) | COUNTY: Butler Coun | ıty | | (20-21) | (22-23) | (24-25) | | (26-27) | (28-29) | (30-31) | NOTE | : Read | l instructio | ons before cor | npleting th | is form |
| Name | | | (| • | OADING | | | | | | N | | | OF | | |
| Sample | | | AVERAGE | Maximum | UNITS | Mn | NIMUM | AVERA | GE N | MAXIMUM | ι | JNITS | (62-63) | | (69 | -70) |
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| NOTE: YOUR PERMIT W | VILL EXPIRE | ON | ; | PLEASE | SUI | BMIT Y | OUR RE | ENEWAL A | APPLICAT | ION BE | FORE | C | | | · | | | |
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| Facility Name / Location if di | ifferent) | | | DIS | CHA | RGE M | ONITO | RING REI | PORT (DMI | R) | | | | | | | | |
| NAME: Penreco | | | | | (2-16 | 5) | | | (| (17-19) | | | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | | I | PA00 | 002135 | | | | 007 | | | | | OMI | 3 NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | PER | MIT | NUMB | ER | | DISCH | ARGE N | IUMB | ER | | | Nort | hwest Regio | on Facsin | nile |
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| COUNTY: Butler Cour | nty | | | (20-21) | (22 | -23) | (24-25) | | (26-27) | (28-29) | (30 | 0-31) | NOT | E: Read | l instructio | ons before cor | npleting th | is form |
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| | OBTAINI | ING THE INFORMATION | . I BELI | IEVE THE S | UBMI | TTED INFO | RMATION | IS | | | | | | | | | | |
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| NOTE: YOUR PERMIT WI PERMITTEE NAME ADDRE Facility Name / Location if diff | ESS (include | | NATIONAL PO | DLLUTANT | DISCHAR | GE ELIMI | APPLICATION INATION SYSTE PORT (DMR) | | | · | | | |
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| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | FOR | RM APPROV | ED. | |
| ADDRESS: 138 Petrolia Stro | eet | | | PA000213 | 5 | | 0 | 07 | | OM | B NO. 2040- | 0004. | |
| Karns City, Pa | 16041 | | | RMIT NUM | | | DISCHARG | E NUMBER | | Nor | thwest Regio | n Facsin | nile |
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| LOCATION: Karns City B | orough | | | | | | | | | | | | |
| COUNTY: Butler Count | у | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | (30-31 | NOTE: Re | ad instructi | ons before com | pleting thi | is form |
| Parameter (32-37) | | (3 Card Only) Q (4653) | (54-61) | LOADING | (4 Card | Only) 3-45) | QUALITY OR ((46-53) | CONCENTRAT (54-6 | | NO. EX | FREQUENCY OF ANALYSIS | SAM TY | |
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| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEAS | E SUBMIT | YOUR RE | NEWAL . | APPLICATION | BEFO | RE | | · | | | |
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| Facility Name / Location if di | ifferent) | | DIS | SCHARGE | MONITO | RING REI | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 19) | | | FOR | M APPROV | /ED. | |
| ADDRESS: 138 Petrolia St | reet | | | PA000213 | 5 |] | 0 | 008 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | RMIT NUM | | 1 | DISCHARO | GE NUN | /BER | | | hwest Regio | | nile |
| | | | | | | TORING P | | | | | 11011 | inwest regre | ii i acsiii | |
| FACILITY: WQ/IV | V/T1- | | VEAD | MO | | | | 10 | DAM | | | | | |
| • | | | YEAR | MO | DAY | ТО | YEAR N | MO | DAY | | | | | |
| LOCATION: Karns City | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 8-29) | (30-31) | NOTE: Read | d instructi | ons before com | pleting thi | is form |
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| (32-37) | | (4653) | (54-61) | | (3 | 8-45) | (46-53) | | (54-61) | | EX | OF | TY | PE |
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| | Measurement | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Permit Requirement | | | | | | XX | | | m ≈/1 | | 1/2200 | ~** | |
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| Oil and Grease | Requirement | • | | | | | XX | | | mg/l | | 1/year | gr | ab |
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| Aluminum NAME/TITLE PRINCIPAL EXECUTIV | Requirement | FY UNDER PENALTY OF | E I AM THAT I HA | AVE DEDCOMA | LV EVAMINE | n I | XX | | | mg/l TELEPHON | E | 2/year | DATE gr | rab |
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| | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | ING THE INFORMATION | | | | | | | | | | | | |
| | | ACCURATE AND COM | | | | | | | | | | | | |
| | | CANT PENALTIES FOR S SSIBILITY OF FINE AND | | | | | | | | | | | | |
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| TYPE OR PRINT | years) | HANDI ATTONIC (D | | | | OFF | ICER OR AUTHORIZE | ED AGENT | ì | | | | | |

| NOTE: YOUR PERMIT W PERMITTEE NAME ADDR Facility Name / Location if di | ESS (include | | NATIONAL PO | LLUTANT I | DISCHAR | GE ELIM | APPLICAT INATION S' PORT (DMI | YSTEM (| | | | · | | | |
|--|-----------------------|---|-------------------|--------------|------------|----------------|-------------------------------------|-----------|----------|----------|------|--------------|-----------------------------|-------------|------------|
| NAME: Penreco | | | | (2-16) | | | | (17-19) | | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | I | PA0002135 | | | | 008 | | | | OMI | 3 NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | MIT NUME | | | DISCH | | IUMBER | | | Nort | hwest Regi | on Facsin | nile |
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| FACILITY WO'N | (7/T) 1 | | NEAD. | 140 | | | | 140 | DAM | | | | | | |
| FACILITY: WQ/IV | | | YEAR | MO | DAY | TO | YEAR | MO | DAY | | | | | | |
| LOCATION: Karns City I | Borough | | | | | | | | | | | | | | |
| COUNTY: Butler Coun | ıty | | (20-21) | (22-23) | (24-25) | | (26-27) | (28-29) | (30-31) | NOTE: | Read | d instructio | ons before co | npleting th | is form |
| Parameter (32-37) | | (3 Card Only) Q (4653) | (54-61) | OADING | (4 Card | Only) 3-45) | QUALITY (46-53 | | (54-61) | Ň | | NO. EX | FREQUENCY OF ANALYSIS | | IPLE PE |
| | | Average | Maximum | UNITS | Min | IMUM | AVERAG | GE N | MAXIMUM | Un | NITS | (62-63) | (64-68) | (69 | -70) |
| | Sample | TTYDIGE | 1/11/11/11/01/1 | | | | | | | | | | , , | ì | |
| | Measurement | | | | | | | | | | | | | | |
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| Manganese | Requirement | | | | | | XX | | | m | g/1 | | 1/year | gr | rab |
| | Sample | | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | | | |
| Copper | Requirement | | | | | | XX | | | m | g/1 | | 1/year | 91 | rab |
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| | Measurement | | | | | | | | | | | | | | |
| 7: | Permit | | | | | | **** | | | | | | • / | | |
| Zinc | Requirement Sample | | | | | | XX | | | m | g/l | | 1/year | gı | rab |
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| pH | Requirement | | | | | | XX | | | m | g/1 | | 1/year | gı | rab |
| | Sample | | | | | | | | | | | | | | |
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| N AME/TITLE PRINCIPAL EXECUTIV | Requirement | Y UNDER PENALTY O | E LAW THAT I HAY | VE DEDCOMALI | V EVAMINE | | | | | TELEP | ном | E | | DATE | 1 |
| OFFICER | | FAMILIAR WITH THE | | | | | | | | ILLEF | HON | L | | DATE | |
| | ON MY | INQUIRY OF THOSE I | NDIVIDUALS IMME | DIATELY RESP | ONSIBLE FO | R | | | | | | | | | |
| | | NG THE INFORMATION | | | | | | | | | | | | | |
| | | ACCURATE AND COM ANT PENALTIES FOR S | | | | | | | | | | | | | |
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| | | and or maximum | imprisonment of l | between 6 mg | onths and | | | | COI | DE NU | MBE | ER | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | | | | OFF | ICER OR AUTH | ORIZED AG | ENΤ | | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR R | ENEWAL | APPLICATION | BEFORE | | · | | | |
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| PERMITTEE NAME ADDR | ESS (include | N | ATIONAL PO | LLUTAN | DISCHAF | RGE ELIM | INATION SYST | EM (NPDES) | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | FOI | RM APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | | PA000213 | 3.5 | | 0 | 09 | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | | | | RMIT NUN | | | | GE NUMBER | | | thwest Regi | | nila |
| ixams city, i a | 10041 | | 1121 | CIVIII IVOI | | TODDIC | | JE NOMBER | _ | INOI | iliwesi Kegi | on racsin | IIIIE |
| | | | | 1 | | TORING P | | 1 | | | | | |
| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | TO | YEAR M | MO DAY | | | | | |
| LOCATION: Karns City l | Borough | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) (30-31) | NOTE: R | ead instruct | ions before cor | npleting th | is form |
| Parameter | <u> </u> | (3 Card Only) QU | JANTITY OR L | OADING | (4 Car | d Only) | OHALITY OR | Concentration | ON | NO. | FREQUENCY | SAM | 1PLE |
| (32-37) | | (4653) | (54-61) | ONDING | | 38-45) | (46-53) | (54-61) | | EX | OF | | PE. |
| (32-37) | | (10 23) | (5.01) | | (. | 30 .5) | (10 55) | (5. 01) | , l | LA | ANALYSIS | 1 1 | . I L |
| | | AVERAGE | Maximum | Unit | s Mi | NIMUM | Average | Maximum | Unit | (62-63) | (64-68) | (69 | -70) |
| | Sample | TTVENETGE | 111111111111111111111111111111111111111 | | | | | | | | <u> </u> | ì | |
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| Aluminum | Permit | Į ! | | ļ | ļ | | VV | | | ļ | 2/ | | 1. |
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| | | CANT PENALTIES FOR SU SSIBILITY OF FINE AND I | | | | | | | | | | | |
| | | 1319. (Penalties unde | | | - | | URE OF PRINCIPAL E | XECUTIVE A | REA | | | | |
| | _ | and or maximum in | | - | - | | | | ODE NUM | BER | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | | | | OFF | ICER OR AUTHORIZE | ED AGENT | | | | | |
| COMMENT AND EXPLAN | ATION OF AN' | Y VIOLATIONS (Re | eference all atta | achments he | ere) | - | | - | | _ | - | | - |

| NOTE: YOUR PERMIT V | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR RI | ENEWAL | APPLICATIO | N BEF | ORE | | · | | | |
|--|-----------------------|--|-------------------|-------------|------------|----------|------------------|-----------|----------------|-----------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include | N | NATIONAL PO | | | | | ГЕМ (N | PDES) | | | | | |
| Facility Name / Location if d | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17- | -19) | | | FOR | M APPROV | ED. | |
| ADDRESS: 138 Petrolia S | treet | |] | PA000213 | 35 | | | 009 | | | OM: | B NO. 2040- | 0004. | |
| Karns City, Pa | 16041 | | PER | MIT NUM | 1BER | | DISCHAR | GE NU | MBER | | Nort | hwest Regio | n Facsim | nile |
| | | | | | | TORING F | | | | | 1,01, | nwest negro | 1 400111 | 1110 |
| FACILITY: WQ/IV | W/Tech | | YEAR | MO | DAY | TO | | MO | DAY | | | | | |
| | | | IEAK | MO | DAI | 10 | IEAK | WIO | DAI | | | | | |
| LOCATION: Karns City | | | | | | _ | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (2 | 28-29) | (30-31) | NOTE: Rea | d instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OF | CONCE | ENTRATION | | NO. | FREQUENCY | SAM | PLE |
| (32-37) | | (4653) | (54-61) | | (3 | 38-45) | (46-53) | | (54-61) | | EX | OF | TY | PE |
| | | | | | | | | | | | | ANALYSIS | | |
| | | Average | Maximum | Unit | s Mi | NIMUM | Average | MA | XIMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | _ | | | | | | |
| Iron | Requirement | - | | | | | XX | | | m g/l | | 2/year | gra | ab |
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| pH | Requirement Sample | | | | | | AA | - | | mg/l | | 1/year | gr | ав |
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| NAME/THE EDDINGIDAL EVECTOR | Requirement | CV LINDED DENIALTY OF | TAM THAT I HA | VE DEDCOMA | LLV EXAMIN | en I | | | ı | TELEPHON | T. | | DATE | ı |
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| OTTELK | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | ING THE INFORMATION. | | | | | | | | | | | | |
| | TRUE, A | ACCURATE AND COM | PLETE. I AM | AWARE THA | T THERE A | RE | | | | | | | | |
| | | CANT PENALTIES FOR SI | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | - | | LIBE OF BENJAM : | DMD CT TO | | | | | | |
| | _ | 1319. (Penalties und and or maximum i | | - | - | | URE OF PRINCIPAL | EXECUTI | VE AREA COD | | P | YEAR | MO | DAY |
| TYPE OR PRINT | years) | und of maximum i | mprisonment of | octween 0 1 | months and | | ICER OR AUTHORIZ | ZED AGEN | | L NOWIDE | | LAK | 141.0 | DAI |
| COMMENT AND EXPLAN | | V VIOLATIONS (D | afaranca all atta | chments he | era) | | | | | | | | | l |

XX -- Monitor and report on monthly DMRs.

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEAS | E SUBMIT | YOUR RE | NEWAL . | APPLICATION | I BEFC |)RE | | · | | | |
|---|-----------------------|---|------------------|-------------|------------|----------|--------------------|---------|----------|------------------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | | | | | | | NATION SYST | | | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | SCHARGE | MONITO | RING REI | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPROV | VED. | |
| ADDRESS: 138 Petrolia St | treet | | | PA000213 | 5 | 1 | 0 | 10 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | RMIT NUM | | 1 | DISCHARO | E NU | MBER | | | hwest Regio | | nile |
| | | | | | | ORING P | | | | | 11011 | inwest regre | ii i acsiii | |
| FACILITY: WQ/IV | V/Tech | | VEAD | MO | | | | 10 | DAV | | | | | |
| • | | | YEAR | MO | DAY | TO | YEAR N | ИΟ | DAY | | | | | |
| LOCATION: Karns City | Borough | | | | |] | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) | (30-31) | NOTE: Read | d instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR I | LOADING | (4 Card | l Only) | QUALITY OR | CONCE | NTRATION | | NO. | FREQUENCY | SAM | 1PLE |
| (32-37) | | (4653) | (54-61) | | (3 | 8-45) | (46-53) | | (54-61) | | EX | OF | TY | PE |
| | | | | | | | • | - | | | | ANALYSIS | | |
| | | Average | Maximum | UNITS | Mn | NIMUM | Average | MAX | XIMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
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| Ammonia as Nitrogen | Permit Requirement | | | | | | XX | | | m ≈/1 | | 1/2200 | | |
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| Aluminum NAME/TITLE PRINCIPAL EXECUTIV | Requirement | FY UNDER PENALTY OF | E I AW THAT I HA | WE DEDCOMAI | IV EVAMINE | n l | XX | | ı | mg/l TELEPHON | E | 2/year | DATE | rab |
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| | | CANT PENALTIES FOR S SSIBILITY OF FINE AND | | | | | | | | | | | | |
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| | \$10,000 | and or maximum i | | | | 5 | | | CODI | | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | HANDI ATTONIC (D | - 11 | | | OFF | ICER OR AUTHORIZE | ED AGEN | Γ | | | | | |

| NOTE: YOUR PERMIT V | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR RI | ENEWAL | APPLICATIO | N BEF | ORE | | · | | | |
|--|-----------------------|--|-------------------|-------------|------------|----------|---------------------|---------|----------------|------------|-------------|----------------|--|---------|
| PERMITTEE NAME ADDR | ESS (include | N | NATIONAL PO | | | | | TEM (N | IPDES) | | | | | |
| Facility Name / Location if d | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17 | -19) | | | FOR | M APPROV | ED. | |
| ADDRESS: 138 Petrolia S | treet | |] | PA000213 | 35 | | | 010 | | | OM: | B NO. 2040- | 0004. | |
| Karns City, Pa | 16041 | | PER | MIT NUM | 1BER | | DISCHAF | RGE NU | MBER | | Nort | hwest Regio | n Facsim | nile |
| | | | | | | TORING F | | | | | 1,01, | nwest negro | i i acomi | 1110 |
| FACILITY: WQ/IV | W/Tech | | YEAR | MO | DAY | TO | | MO | DAY | | | | | |
| | | | IEAK | MO | DAI | 10 | IEAK | MO | DAI | | | | | |
| LOCATION: Karns City | | | | | | _ | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (| 28-29) | (30-31) | NOTE: Read | d instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OF | R CONC | ENTRATION | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | (54-61) | | (3 | 38-45) | (46-53) | | (54-61) | | EX | OF | TY | PE |
| | | | | | | | | | | | | ANALYSIS | | |
| | | Average | Maximum | UNIT | s Mi | NIMUM | Average | MA | AXIMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | - | | | | | <u> </u> | |
| Iron | Requirement | - | | | | | XX | | | m g/l | | 2/year | gra | ab |
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| | Measurement | | | | | | | | | | | | <u> </u> | |
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| Соррег | Sample | | | | | | AA | - | | m g/l | | 1/ycai | gra | au |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Zinc | Requirement | 1 | | | | | XX | | | mg/l | | 1/year | gra | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| nЦ | Permit | | | | | | XX | | | m o/1 | | 1/***** | | a la |
| pH | Requirement Sample | | | | | | ΛΛ | - | | mg/l | | 1/year | gra | ав |
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| NAME/THE EDDINGIDAL EVECTOR | Requirement | CV LINDED DENIALTY OF | TAM THAT I HA | VE DEDCOMA | LLV EXAMIN | en I | | | | TELEPHON | T. | | DATE | T |
| NAME/TITLE PRINCIPAL EXECUTIV OFFICER | | FY UNDER PENALTY OF I FAMILIAR WITH THE I | | | | | | | | TELEPHON | E | | DATE | |
| OTTELK | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | ING THE INFORMATION. | | | | | | | | | | | | |
| | TRUE, A | ACCURATE AND COM | PLETE. I AM | AWARE THA | T THERE A | RE | | | | | | | | |
| | | CANT PENALTIES FOR SI | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | - | | LIDE OF PROJECT : - | EVE OU- | | | | | | |
| | _ | 1319. (Penalties und and or maximum i | | - | - | | URE OF PRINCIPAL | EXECUTI | VE AREA COD | | P | YEAR | MO | DAY |
| TYPE OR PRINT | years) | und of maximum i | mprisonment of | octween 0 1 | months and | | ICER OR AUTHORI | ZED AGE | | L NOMBE | | LAK | 141 () | DAI |
| COMMENT AND EXPLAN | | V VIOLATIONS (D | afaranca all atta | chments he | ara) | | | | | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE | ON | ; | PLEASE | E SUI | BMIT Y | OUR RE | ENEWAL A | APPLICATI | ON BE | FORE . | | | • | | | |
|--|-----------------------|---|---------|-----------------|-------|-----------|---------|----------|-----------------|------------|----------------|------|------------|---------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include |] | NATIO | ONAL PO | LLU' | TANT I | ISCHAR | GE ELIMI | NATION SY | STEM (| (NPDES | S) | | | | | |
| Facility Name / Location if di | ifferent) | | | DIS | CHA | RGE N | IONITO | RING REF | PORT (DMR | R) | | | | | | | |
| NAME: Penreco | | | | | (2-16 | 5) | | | (1 | 17-19) | | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | | I | PA00 | 002135 | |] | | 011 | | | | OMI | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | | | NUMB | ER | 1 | DISCHA | | UMBE | R | | Nort | hwest Regio | n Facsin | nile |
| | | | | | | | | TORING P | | | | | | 11011 | iiwest itegit | 11 1 400111 | |
| EACH ITV. WO/IV | V/T1- | | - | VEAD | 1 | 10 | | | | MO | I DA | V | | | | | |
| FACILITY: WQ/IV | | | | YEAR | IV. | 10 | DAY | ТО | YEAR | MO | DA | A I | | | | | |
| LOCATION: Karns City | | | | | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | | (20-21) | (22 | -23) | (24-25) | | (26-27) | (28-29) | (30- | 31) | NOTE: Read | l instruction | ons before con | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANT | ITY OR L | OAD | ING | (4 Card | d Only) | QUALITY (| or Con | CENTRA | TION | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | | (54-61) | | | (3 | 8-45) | (46-53) | | | -61) | | EX | OF | TY | PE |
| | | | | | | | | | | | | | | | ANALYSIS | | |
| | | AVERAGE | N | A AXIMUM | | UNITS | Mn | NIMUM | Averagi | E N | A AXIMU | M | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | 1 | | | | | | _ | | | | |
| Flow | Permit Requirement | XX | | | | MGD | | | | | | | | | 2/year | estin | n ate |
| 110 W | Sample | AA | | | | WGD | | | | | | | | | 2/ y car | CStill | nate |
| | Measurement | | | | | | | | | | | | | | | | |
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| TSS | Requirement | | | | | | | | XX | | | | mg/l | | 2/year | gr | ab |
| | Sample Measurement | | | | | | | | | | | | | | | | |
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| | Sample | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Permit | | | | | | | | VV | | | | /1 | | 1 / | | -1- |
| Allillollia as Nitrogeli | Requirement Sample | | | | | | | | XX | | | | mg/l | | 1/year | gr | ав |
| | Measurement | - | | | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | | | | |
| Nitrate-Nitrite Nitrogen | Requirement | | | | | | | | XX | | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | | | | | |
| Oil and Grease | Requirement | - | | | | | | | XX | | | | m g/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | | | | |
| | Measurement | 1 | | | | | | | | | | | | | | | |
| A1 | Permit | | | | | | | | | | | | | | | | |
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| NAME/TITLE PRINCIPAL EXECUTIV OFFICER | | FY UNDER PENALTY OF FAMILIAR WITH THE | | | | | | | | | | | TELEPHON | E | | DATE | |
| OTTICER | | INQUIRY OF THOSE II | | | | | | | | | | | | | | | |
| | OBTAINI | ING THE INFORMATION | . I BEL | LIEVE THE S | UBMI | TTED INFO | RMATION | IS | | | | | | | | | |
| | | ACCURATE AND COM | | | | | | | | | | | | | | | |
| | | CANT PENALTIES FOR S SSIBILITY OF FINE AND | | | | | | | | | | | | | | | |
| | | 1319. (Penalties und | | | | - | | | JRE OF PRINCIPA | AL EXECU | JTIVE | AREA | | | | | |
| | _ | and or maximum | | | - | | - | | | | | CODE | NUMBE | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | | | | | | OFF | CER OR AUTHO | RIZED AG | ENT | | | | | | |
| COMMENT AND EXPLAN | ATION OF AN' | Y VIOLATIONS (F | leteren | ice all atta | chme | ents here |) | | | | | | | | | | |

| NOTE: YOUR PERMIT WII | LL EXPIRE O | ON | ; PLEASI | E SUBMIT | YOUR RI | ENEWAL | APPLICATION | BEFORE | <u> </u> | | • | | | |
|--|-----------------------|---|--------------------------------|-------------|--------------|----------|--------------------|-----------|----------|------------|-----------|--|-------------|-------------|
| PERMITTEE NAME ADDRES | | 1 | | | | | INATION SYST | EM (NPDI | ES) | | | | | |
| Facility Name / Location if diffe | erent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | RM APPROV | /ED. | |
| ADDRESS: 138 Petrolia Stree | et | |] | PA000213 | 35 | | 0 | 11 | | | OM | B NO. 2040 | 0004. | |
| Karns City, Pa 1 | 6041 | | | MIT NUM | | | DISCHARO | | ER | | | hwest Regio | | nile |
| | | | | | | TORING P | | | | | 11011 | inwest regre | ii i acsiii | 1110 |
| FACILITY WO W | T. 1 | | VEAD | MO | | 1 | | 40 D | A 37 | | | | | |
| FACILITY: WQ/IW/ | | | YEAR | MO | DAY | ТО | YEAR N | AO D | AY | | | | | |
| LOCATION: Karns City Bo | rough | | | | | | | | | | | | | |
| COUNTY: Butler County | 7 | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) (3 | 0-31) | NOTE: Read | instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OR | Concenti | RATION | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | (54-61) | | | 38-45) | (46-53) | | 54-61) | | EX | OF | TY | PE |
| (/ | | | | | | | | | | | | ANALYSIS | | |
| | | AVERAGE | Maximum | UNIT | s Mi | NIMUM | Average | Maxim | UM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | |
| Λ | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Iron | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| <u> </u> | Sample | | | | | | | | | | | | | |
| <u></u> | Measurement | | | | | | | | | | | | | |
| Manganese | Permit Requirement | | | | | | XX | | | m a/1 | | 1/year | ~ | o b |
| ivianganese | Sample | | | | | | ΛΛ | + | | m g/l | | 1/year | gr | au |
| <u> </u> | Measurement | | | | | | | | | | | | | |
| F- | Permit | | | | - | | | + | | | | | | |
| Copper | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| T. | Measurement | | | | | | | | | | | | | |
| 7. | Permit | | | | | | | | | | | | | |
| Zinc | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| <u> </u> | Sample Measurement | | | | | | | | | | | | | |
| <u></u> | Permit | | | | | | | | | | | | | |
| pН | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| P11 | Sample | | | | | | | | | mg/1 | | 17 y cur | 8. | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| | Requirement | | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
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| <u>_</u> | Permit | | | ļ | ļ | | ļ | | | <u> </u> | | | ļ | |
| NAME TO BE DESIGNATED AND STREET | Requirement | V IDIDED DEVIALENCE | C. I. A. W. MILLAM T. I. I. A. | VE DEDGOMA | | an I | | | | TELEBIION | P | | DATE | |
| N AME/TITLE PRINCIPAL EXECUTIVE OFFICER | | Y UNDER PENALTY OF FAMILIAR WITH THE I | | | | | | | | TELEPHON | E | | DATE | |
| OTTICER | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | NG THE INFORMATION. | | | | | | | | | | | | |
| | TRUE, A | CCURATE AND COM | PLETE. I AM | AWARE THA | T THERE A | RE | | | | | | | | |
| | SIGNIFIC | ANT PENALTIES FOR SI | UBMITTING FALSE | INFORMATIO | ON. INCLUDIN | lG | | | | | | | | |
| | | SIBILITY OF FINE AND | | | - | | | | | | | | | |
| | _ | 1319. (Penalties und | | - | - | | URE OF PRINCIPAL E | XECUTIVE | AREA | NILIMARE | D | VEAR | MC | DAY |
| TYPE OR PRINT | \$10,000 years) | and or maximum i | in prisonment of | between 6 i | months and | | ICER OR AUTHORIZE | D AGENT | CODE | NUMBE | К | YEAR | МО | DAY |
| COMMENT AND EXPLANA | | VIOLATIONS (R | eference all atta | chments he | ere) | 511 | TO LITTORIZE | LD HOLINI | | | | <u> </u> | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE | ON | ; P | LEASE | SUBN | MIT Y | OUR RE | NEWAL A | APPLICATI | ON BE | FORE | | | • | | | |
|--|-----------------------|---|----------|-----------|---------|----------|-----------|----------|-----------------|----------|-----------------|------|----------|---------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include | 1 | NATION | AL POI | LLUTA | ANT D | ISCHAR | GE ELIMI | NATION SY | STEM (| NPDES) | | | | | | |
| Facility Name / Location if di | ifferent) | | | DISC | CHAR | GE M | ONITO | RING REF | PORT (DMR | 3) | | | | | | | |
| NAME: Penreco | | | | | (2-16) | | | | (1 | 17-19) | | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | | P | A000 | 2135 | | | | 012 | | | | OMI | 3 NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | PERI | MIT N | IUMBE | R | | DISCHA | ARGE N | UMBER | 1 | | Nort | hwest Regio | n Facsin | nile |
| | | | | | | | | ORING P | | | | | | 11011 | nwest negre | 11 1 400111 | |
| EACH ITV. WO/W | V/T1- | | 37 | TAD | MO | | | 1 | | MO | DAV | 1 | | | | | |
| FACILITY: WQ/IV | | | 1 | EAR | MO | <u>'</u> | DAY | ТО | YEAR | MO | DAY | 4 | | | | | |
| LOCATION: Karns City l | | | | | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (2 | 20-21) | (22-2 | 3) (| (24-25) | | (26-27) | (28-29) | (30-31) | NC | TE: Read | l instruction | ons before con | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTIT | Y OR LO | DADIN | G | (4 Card | l Only) | QUALITY (| or Con | CENTRATIO | N | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | (5 | 4-61) | | | (3 | 8-45) | (46-53) | | (54-61) | | | EX | OF | TY | PE |
| | | | | | | | | | | | | | | | ANALYSIS | | |
| | | AVERAGE | MA | XIMUM | U | JNITS | Min | NIMUM | Averagi | E M | I AXIMUM | | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | ļ | | | | |
| Flow | Permit Requirement | XX | | | | MGD | | | | | | | | | 2/year | ectin | n ate |
| 110 W | Sample | AA | | | - | MOD | | | | | | | | | 2/ y car | CStill | nate |
| | Measurement | | | | | | | | | | | | | | | | |
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| | Sample Measurement | | | | | | | | | | | | | | | | |
| | Permit | | | | | | - | | | | | | ł | | | | |
| TOC | Requirement | | | | | | | | XX | | | | m g/1 | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | | - | | |
| | Measurement | | | | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Permit | | | | | | | | VV | | | | /1 | | 1 / | | -1- |
| Allillollia as Nitrogeli | Requirement Sample | | | | - | | | | XX | | | | mg/l | | 1/year | gr | ав |
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| Nitrate-Nitrite Nitrogen | Requirement | | | | | | | | XX | | | | mg/1 | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | | | | | |
| Oil and Grease | Requirement | • | | | | | | | XX | | | | mg/l | | 1/year | gr | ab |
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| A1 | Permit | | | | | | | | | | | |] | | | | |
| Aluminum | Requirement | EN THIRED DENIALTY OF | | | E DEDG | 03111137 | EXAMPLE | ъ. | XX | | | Tr.) | mg/l | F | 2/year | | ab |
| NAME/TITLE PRINCIPAL EXECUTIV OFFICER | | FY UNDER PENALTY OF FAMILIAR WITH THE I | | | | | | | | | | 11 | ELEPHON | E | | DATE | |
| OTTICER | | INQUIRY OF THOSE IN | | | | | | | | | | | | | | | |
| | OBTAINI | ING THE INFORMATION | I BELIEV | VE THE SU | JBMITTE | ED INFO | RMATION 1 | IS | | | | | | | | | |
| | | ACCURATE AND COM | | | | | | | | | | | | | | | |
| | | CANT PENALTIES FOR S SSIBILITY OF FINE AND | | | | | | | | | | | | | | | |
| | | 1319. (Penalties und | | | | - | | | JRE OF PRINCIPA | AL EXECU | TIVE AR | .EA | | | | | |
| | _ | and or maximum i | | | - | | - | | | | | DE | NUMBE | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | | | | | | OFF | CER OR AUTHO | RIZED AG | ENT | | | | | | |
| COMMENT AND EXPLAN | ATION OF AN' | Y VIOLATIONS (R | eference | all attac | chment | ts here) | | | | | | | | | | | |

| NOTE: YOUR PERMIT V | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR RI | ENEWAL | APPLICATION | N BEFC | ORE | | · | | | |
|-------------------------------|-----------------------|--|-------------------|--------------|------------|---------------|---------------------------------------|----------|----------|-----------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | | N | | | | | INATION SYST | EM (NI | PDES) | | | | | |
| Facility Name / Location if d | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17- | 19) | | | FOR | RM APPROV | /ED. | |
| ADDRESS: 138 Petrolia S | treet | |] | PA000213 | 35 | | (|)12 | | | OM | B NO. 2040 | 0004. | |
| Karns City, Pa | 16041 | | | MIT NUN | | | DISCHAR | | MBER | | | thwest Regio | | nile |
| Ttariis City, 1 t | . 10011 | | 121 | CIVILI I (CI | | _ Toring f | | GE IVOI | ·IDEIC | | 1101 | inwest Regio | ii i acsiii | iiiic |
| EAGUARY WOR | 7.7/TD 1 | | TEAD | 1.60 | | | | 10 | D 177 | | | | | |
| , | W/Tech | | YEAR | MO | DAY | TO | YEAR 1 | MO | DAY | | | | | |
| LOCATION: Karns City | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (2 | 8-29) | (30-31) | NOTE: Rea | d instructi | ons before com | pleting th | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OR | CONCE | NTRATION | | NO. | FREQUENCY | SAN | 1PLE |
| (32-37) | | (4653) | (54-61) | | | 38-45) | (46-53) | CONCE | (54-61) | | EX | OF | | PE. |
| (32 37) | | (, , , , | (, , | | | , | (/ | | () | | D/L | ANALYSIS | | 12 |
| | | Average | Maximum | Unit | s Mi | NIMUM | Average | Max | XIMUM | UNITS | (62-63) | (64-68) | (69 | -70) |
| | Sample | | | | | | | | | | | · · | , | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Iron | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
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| Manganese | Requirement | | | | | | XX | | | m g/l | | 1/year | gr | ab |
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| Copper | Requirement | | | | | | XX | | | mg/l | | 1/year | O1 | ab |
| Соррег | Sample | | | | | | AA | _ | | mg/1 | | 17 y cui | 51 | |
| | Measurement | | | | | | | | | | | | | |
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| | Requirement | i i | | Ī | Ī | | Ī | İ | | j | Ì | İ | Ī | |
| NAME/TITLE PRINCIPAL EXECUTIV | | FY UNDER PENALTY OF | | | | | | | | TELEPHON | Е | | DATE | |
| OFFICER | | I FAMILIAR WITH THE I | | | | | | | | | | | | |
| | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | ING THE INFORMATION. ACCURATE AND COM | | | | | | | | | | | | |
| | | CANT PENALTIES FOR SU | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | | | | | | | | | | |
| | | 1319. (Penalties und | | | - | | URE OF PRINCIPAL I | EXECUTIV | E AREA | A | | | | |
| | \$10,000 | and or maximum in | mprisonment of | between 6 | months and | 5 | | | COD | E NUMBI | ER | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | | | | OFF | FICER OR AUTHORIZ | ED AGEN | Γ | | | | | |
| COMMENT AND EXPLAN | IATION OF AN' | Y VIOLA TIONS (R | eference all atta | chments he | ere) | | · · · · · · · · · · · · · · · · · · · | | | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEAS | E SUBMIT ` | YOUR RE | NEWAL . | APPLICATION | BEFOR | RE | | · | | | |
|--------------------------------|-----------------------|--|-----------------|--------------|------------|----------|--------------------|----------|---------|------------------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | | | | | | | NATION SYST | | | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE I | MONITOR | RING REI | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPROV | /ED. | |
| ADDRESS: 138 Petrolia St | treet | | | PA0002135 | i | | 0 | 13 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | RMIT NUMI | | | DISCHARC | E NUM | BER | | | hwest Regio | | nile |
| | | | | | | ORING P | | | | | 11011 | inwest regre | ii i acsiii | |
| FACILITY: WQ/IV | V/T1- | | VEAD | MO | | | | 10 | DAY | | | | | |
| ` | | | YEAR | MO | DAY | TO | YEAR N | 1O | DAY | | | | | |
| LOCATION: Karns City | | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) | (30-31) | NOTE: Read | l instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR I | OADING | (4 Card | Only) | QUALITY OR | Concen | TRATION | | NO. | FREQUENCY | SAM | 1PLE |
| (32-37) | | (4653) | (54-61) | | (3 | 8-45) | (46-53) | | (54-61) | | EX | OF | TY | PΕ |
| | | | | | | | • | | | | | ANALYSIS | | |
| | | Average | Maximum | UNITS | Min | IIMUM | Average | MAX | MUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | | |
| Flow | Requirement | XX | | MGD | | | | | | | | 2/year | estin | n ate |
| | Sample | | | | | | | | | | | ., | | |
| | Measurement | | | | | | | | | | | | | |
| TOG | Permit | | | | | | | | | | | | | |
| TSS | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| | Sample Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | <u> </u> | | | | | | | |
| TOC | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Permit Requirement | | | | | | XX | | | m g/l | | 1/year | gr | -o.b |
| Animonia as ivitogen | Sample | | | | | | AA | 1 | | III g/1 | | 1/year | gı | au |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Nitrate-Nitrite Nitrogen | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | - | | | | | | | | | | | | |
| Oil and Grease | Requirement | • | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | - | | |
| | Measurement | | | | | | | | | | | | | |
| Aluminum | Permit | . ! | | ļ | | | VV | ļ | | /1 | _ | 2/ | | 1. |
| NAME/TITLE PRINCIPAL EXECUTIV | Requirement | FY UNDER PENALTY OF | FIAW THAT I HA | VE PERSONAL | V EYAMINE | n I | XX | | | mg/l TELEPHON | F | 2/year | DATE | rab |
| OFFICER | | FAMILIAR WITH THE I | | | | | | | | TELLI HOIV | L | | DATE | |
| | ON MY | INQUIRY OF THOSE IN | NDIVIDUALS IMME | DIATELY RESE | ONSIBLE FO | R | | | | | | | | |
| | | ING THE INFORMATION. | | | | | | | | | | | | |
| | | ACCURATE AND COM CANT PENALTIES FOR S | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | | | | | | | | | | |
| | | 1319. (Penalties und | | • | | | URE OF PRINCIPAL E | XECUTIVE | AREA | 1 | | | | |
| | | and or maximum i | imprisonment of | between 6 m | onths and | | | | CODI | E NUMBE | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | | | | OFF | ICER OR AUTHORIZE | ED AGENT | | | | | |] |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEASI | SUBMIT | YOUR RI | ENEWAL | APPLICATIO | N BEF | ORE | | • | | | |
|--------------------------------|-----------------------|----------------------|-------------------|-------------|-------------|----------|--------------------|----------|------------|-------------|-------------|----------------|-------------|----------|
| PERMITTEE NAME ADDR | ESS (include | 1 | NATIONAL PO | | | | | ГЕМ (N | PDES) | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17- | -19) | | | FOR | M APPROV | ED. | |
| ADDRESS: 138 Petrolia St | treet | | I | PA000213 | 5 | | | 013 | | | OM | B NO. 2040- | 0004. | |
| Karns City, Pa | 16041 | | PER | MIT NUM | IBER | | DISCHAR | GE NU | MBER | | Nort | hwest Regio | n Facsim | nile |
| | | | | | | TORING F | | | | | 11011 | nwest negro | 1 400111 | 1110 |
| FACILITY: WQ/IV | W/Tooh | | YEAR | MO | DAY | TO | | MO | DAY | | | | | |
| | | | IEAK | MO | DAI | 10 | IEAK | MO | DAI | | | | | |
| LOCATION: Karns City | | | | | | _ | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (2 | 28-29) | (30-31) | NOTE: Read | l instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OR | CONCI | ENTRATION | | NO. | FREQUENCY | SAM | |
| (32-37) | | (4653) | (54-61) | | (3 | 38-45) | (46-53) | | (54-61) | | EX | OF | TY | PE |
| | | A 1 | 3.6 | T.L. v.m. | .) (* | | A | 136 | ********* | T I a verme | ((2, (2) | ANALYSIS | (60 | 70) |
| | Commuto | Average | Maximum | UNIT | S MII | NIMUM | Average | IVIA | XIMUM | UNITS | (62-63) | (64-68) | (69- | - /0) |
| | Sample Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | - | | | | | | | | | | |
| Iron | Requirement | | | | | | XX | | | mg/l | | 2/year | gra | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| 3.6 | Permit | | | | | | | | | | | | | |
| Manganese | Requirement | | | | | | XX | | | m g/l | | 1/year | gra | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | - | | 1 | | | | | | | |
| Copper | Requirement | 1 | | | | | XX | | | m g/l | | 1/year | gra | ab |
| СОРРСІ | Sample | | | | | | | | | | | 17 y cur | 5 | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Zinc | Requirement | | | | | | XX | | | mg/l | | 1/year | gra | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| pH | Permit Requirement | | | | | | XX | | | mg/l | | 1/year | gra | ah |
| pii | Sample | | | | | | AA | - | | III g/ I | | 17 year | 51 | 40 |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| | Requirement | 1 | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | Į į | | ļ | ļ | | ļ | ļ | | ļ | _ | | ļ | |
| NAME/TITLE PRINCIPAL EXECUTIV | Requirement | FY UNDER PENALTY OF | TAW THAT I HA | VE DEDCOMAI | I V EVAMINI | 7D. | | | | TELEPHON | E | | DATE | 1 |
| OFFICER | | FAMILIAR WITH THE I | | | | | | | | TELEPHON | E | | DATE | |
| of freeze | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | NG THE INFORMATION. | | | | | | | | | | | | |
| | TRUE, A | ACCURATE AND COM | PLETE. I AM | AWARE THA | T THERE A | RE | | | | | | | | |
| | | CANT PENALTIES FOR S | | | | | | | | | | | | |
| | | SIBILITY OF FINE AND | | | - | | | | | | | | | |
| | _ | 1319. (Penalties und | | - | - | | URE OF PRINCIPAL | EXECUTI | VE AREA | | D | VEAD | MO | DAM |
| TYPE OR PRINT | \$10,000 years) | and or maximum i | in prisoninent of | between o n | nonths and | | ICER OR AUTHORIZ | ZED AGEN | | E NUMBE | IX. | YEAR | МО | DAY |
| COMMENT AND EXPLAN | | V VIOLATIONS (D | afaranca all atta | chmonts ha | ra) | 311 | TO LIK OR TO THORD | LED MOEI | · <u>·</u> | | | <u> </u> | | <u> </u> |

| PERMITTEE NAME ADDRESS (include Facility Name / Location if different) NAME: Penreco ADDRESS: 138 Petrolia Street Karns City, Pa 16041 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19) FORM APPROVED. OMB NO. 2040-0004. Northwest Region Facsimile | |
|--|----------|
| NAME:Penreco(2-16)(17-19)FORM APPROVED.ADDRESS:138 Petrolia StreetPA0002135014OMB NO. 2040-0004.Karns City, Pa 16041PERMIT NUMBERDISCHARGE NUMBERNorthwest Region Facsimile | |
| ADDRESS: 138 Petrolia Street PA0002135 014 OMB NO. 2040-0004. Karns City, Pa 16041 PERMIT NUMBER DISCHARGE NUMBER Northwest Region Facsimile | |
| Karns City, Pa 16041 PERMIT NUMBER DISCHARGE NUMBER Northwest Region Facsimile | |
| ,, | |
| ,, | |
| MONITORING PERIOD | |
| | |
| FACILITY: WQ/IW/Tech YEAR MO DAY TO YEAR MO DAY | |
| LOCATION: Karns City Borough | |
| COUNTY: Butler County (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) NOTE: Read instructions before completing this for | rm |
| Parameter (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION NO. FREQUENCY SAMPLI | <u>-</u> |
| (32-37) (4653) (54-61) (38-45) (46-53) (54-61) EX OF TYPE | |
| ANALYSIS | |
| AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS (62-63) (64-68) (69-70) | |
| Sample | |
| Measurement | |
| Flow Requirement XX MGD 2/year estimate | |
| Sample Sample | |
| Measurement | |
| Permit Permit | |
| TSS Requirement XX mg/l 2/year grab | |
| Sample | |
| Measurement Permit | |
| TOC Requirement XX mg/l 1/year grab | |
| Sample Sample | |
| Measurement | |
| Permit | |
| Ammonia as Nitrogen Requirement XX mg/l 1/year grab | |
| Sample Measurement | |
| Permit | |
| Nitrate-Nitrite Nitrogen Requirement XX mg/l 1/year grab | |
| Sample | _ |
| Measurement | |
| Permit Permit | |
| Oil and Grease Requirement XX mg/l 1/year grab | |
| Sample Measurement | |
| Permit | — |
| Aluminum Requirement XX mg/l 2/year grab | |
| NAME/TITLE PRINCIPAL EXECUTIVE I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE | _ |
| OFFICER AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED | |
| ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR | |
| OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE | |
| SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING | |
| THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 | |
| U.S.C. §1319. (Penalties under these statutes may includes fines up to SIGNATURE OF PRINCIPAL EXECUTIVE AREA | |
| | AY |
| TYPE OR PRINT years) OFFICER OR AUTHORIZED AGENT COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) | |

| NOTE: YOUR PERMIT V | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR RI | ENEWAL | APPLICATIO | N BEF | ORE | | · | | | |
|--|-----------------------|--|-------------------|------------|------------|----------|------------------|---------|----------------|------------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include | N | NATIONAL PO | | | | | TEM (N | IPDES) | | | | | |
| Facility Name / Location if d | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17 | -19) | | | FOR | M APPROV | ED. | |
| ADDRESS: 138 Petrolia S | treet | |] | PA000213 | 35 | 1 | | 014 | | | OM | B NO. 2040- | 0004. | |
| Karns City, Pa | 16041 | | PER | MIT NUN | 1BER | | DISCHAF | RGE NU | MBER | | Nort | hwest Regio | n Facsim | nile |
| | | | | | | TORING F | | | | | 1,01, | nwest negro | 1 1 desim | 1110 |
| FACILITY: WQ/IV | W/Tech | | YEAR | MO | DAY | TO | | MO | DAY | | | | | |
| | | | IEAK | MO | DAI | 10 | IEAK | MO | DAI | | | | | |
| LOCATION: Karns City | | | | | | _ | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (| 28-29) | (30-31) | NOTE: Read | d instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OF | R CONC | ENTRATION | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | (54-61) | | (3 | 38-45) | (46-53) | | (54-61) | | EX | OF | TY | PE |
| | | | | | | | | | | | | ANALYSIS | | |
| | | Average | Maximum | Unit | s Mi | NIMUM | Average | MA | AXIMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | - | | | | | | |
| Iron | Requirement | | | | | | XX | | | mg/l | | 2/year | gra | ab |
| | Sample | | | | | | | - | | | | | - 5 | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Manganese | Requirement | | | | | | XX | | | mg/l | | 1/year | gra | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | _ | |
| Copper | Permit Requirement | | | | | | XX | | | m a/1 | | 1/year | ar | ah |
| Соррег | Sample | | | | | | AA | - | | m g/l | | 1/ycai | gra | au |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | 1 | | | | | | |
| Zinc | Requirement | 1 | | | | | XX | | | mg/l | | 1/year | gra | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| пU | Permit | | | | | | XX | | | /1 | | 1/ | | -1- |
| pH | Requirement Sample | | | | | | ΛΛ | - | | mg/l | | 1/year | gra | ав |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | - | | | | | | |
| | Requirement | | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | ļ | | ļ | ļ | | <u> </u> | ļ | | ļ | | | ļ | |
| NAME/THE EDDINGIDAL EVECTOR | Requirement | TY LINDED DENIALTY OF | TAN THAT I HA | VE DEDCOMA | LLV EXAMIN | en I | | | | TELEPHON | E. | | DATE | T |
| NAME/TITLE PRINCIPAL EXECUTIV OFFICER | | FY UNDER PENALTY OF FAMILIAR WITH THE I | | | | | | | | TELEPHON | E | | DATE | |
| OTTELK | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | NG THE INFORMATION. | | | | | | | | | | | | |
| | TRUE, A | ACCURATE AND COM | PLETE. I AM | AWARE THA | T THERE A | RE | | | | | | | | |
| | | CANT PENALTIES FOR SI | | | | | | | | | | | | |
| | | SIBILITY OF FINE AND | | | - | | LIDE OF PROJECT | EVE OVE | | | | | | |
| | _ | 1319. (Penalties und and or maximum i | | - | - | | URE OF PRINCIPAL | EXECUTI | VE AREA COD | | P | YEAR | MO | DAY |
| TYPE OR PRINT | years) | und of maximum i | mprisonment of | octween 0 | months and | | ICER OR AUTHORI | ZED AGE | | L NOMBE | | LAK | 141.0 | DAI |
| COMMENT AND EXPLAN | | V VIOLATIONS (D | afaranca all atta | chments he | era) | | | | | | | L L | | I |

| NOTE: YOUR PERMIT W | VILL EXPIRE | ON | ; | PLEASE | SUI | BMIT Y | OUR RE | ENEWAL A | APPLICAT | ION BE | FORE | 2 | | | · | | | |
|--------------------------------|-----------------------|--|--------|-----------------|-------|----------|----------|----------|----------------|-----------|-------|--------|-----|---------|--------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include |] | OITAN | NAL PO | LLU | TANT D | ISCHAR | GE ELIMI | NATION SY | YSTEM | (NPDE | ES) | | | | | | |
| Facility Name / Location if di | ifferent) | | | DIS | CHA | RGE M | ONITO | RING REI | PORT (DMI | R) | | | | | | | | |
| NAME: Penreco | | | | | (2-16 | 5) | | | (| (17-19) | | | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | | I | PA00 | 002135 | | | | 023 | | | | | OMI | 3 NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | | | NUMB | ER | | DISCH | ARGE N | IUMBI | ER | | | Nort | hwest Regio | n Facsin | nile |
| | | | | | | | | TORING P | | | | | | | 11010 | nwest reegn | n r uesin | |
| EACH ITV. WO/W | V/T1- | | | VEAD | 1.4 | 10 | | 1 | | MO | | A 37 | | | | | | |
| FACILITY: WQ/IV | | | _ | YEAR | IV | O | DAY | ТО | YEAR | MO | υ | AY | | | | | | |
| LOCATION: Karns City l | | | | | | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | | (20-21) | (22 | -23) | (24-25) | | (26-27) | (28-29) | (30 | 0-31) | NOT | E: Read | l instructio | ons before con | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTI | TY OR L | OADI | ING | (4 Caro | d Only) | QUALITY | OR CON | CENTE | RATION | | | NO. | FREQUENCY | SAM | 1PLE |
| (32-37) | | (4653) | | (54-61) | | | (3 | 8-45) | (46-53) | | | (4-61) | | | EX | OF | TY | 'PE |
| | | | | | | | | | | | | | | | | ANALYSIS | | |
| | | AVERAGE | M | I AXIMUM | | UNITS | Mn | NIMUM | AVERAC | GE I | MAXIM | UM | | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | | | | | |
| Flow | Permit Requirement | XX | | | | MGD | | | | | | | | | | 2/year | actir | m ate |
| 110 W | Sample | AA | | | | MOD | | | | | | | - | | | 2/yCai | CStil | mate |
| | Measurement | • | | | | | | | | | | | | | | | | |
| | Permit | 1 | | | | | | | | | | | | | | | | |
| TSS | Requirement | | | | | | | | XX | | | | | mg/l | | 2/year | gr | ab |
| | Sample | _ | | | | | | | | | | | | | | | | |
| | Measurement Permit | ļ | | | | | - | | | | | | | | | | | |
| TOC | Requirement | | | | | | | | XX | | | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | J | | | | |
| | Measurement | 1 | | | | | | | | | | | | | | | | |
| A | Permit | | | | | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Requirement Sample | | | | - | | | | XX | | | | _ | mg/l | | 1/year | gr | rab |
| | Measurement | 4 | | | | | | | | | | | | | | | | |
| | Permit | | | | | | 1 | | | | | | | | | | | |
| Nitrate-Nitrite Nitrogen | Requirement | 1 | | | | | | | XX | | | | | mg/l | | 1/year | gr | rab |
| | Sample | | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | | | | | |
| Oil and Grease | Permit Requirement | | | | | | | | 15 | | | | | m g/l | | 1/year | or or | rab |
| on and Grease | Sample | | | | - | | | | 13 | | | | - | III g/I | | 17 y car | 51 | 140 |
| | Measurement | 1 | | | | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | | | | | |
| Aluminum | Requirement | | | | Ī | | | | XX | | | | | mg/l | | 1/year | _ | rab |
| NAME/TITLE PRINCIPAL EXECUTIV | | FY UNDER PENALTY OF | | | | | | | | | | | TEI | EPHON | E | | DATE | |
| OFFICER | | I FAMILIAR WITH THE I INQUIRY OF THOSE IN | | | | | | | | | | | | | | | | |
| | | ING THE INFORMATION | | | | | | | | | | | | | | | | |
| | TRUE, | ACCURATE AND COM | PLETE. | I AM A | WARI | E THAT | THERE AF | RE | | | | | | | | | | |
| | | CANT PENALTIES FOR S | | | | | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | | _ | | | JRE OF PRINCII | DAL EVEC | TTIVE | AREA | | | | | | |
| | - | 31319. (Penalties und and or maximum i | | | - | | - | | JKE OF PRINCI | FAL EXECT | JIIVE | CODE | | NUMBE | R | YEAR | МО | DAY |
| TYPE OR PRINT | years) | 01 | por | | | 0 11101 | | | CER OR AUTHO | ORIZED AC | GENT | | - | | | | | |
| COMMENT AND EXPLAN | | Y VIOLATIONS (F | eferen | ce all atta | chme | nts here |) | - | | | | 4 | | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR RI | ENEWAL | APPLICATION | BEFORE _ | | | · | | | |
|--------------------------------|-----------------------|--|-------------------|------------|-------------|----------|--------------------|-------------|----------------|-----------|-------------|----------------|------------|---------|
| PERMITTEE NAME ADDR | ESS (include | N | IATIONAL PO | LLUTAN | DISCHAR | GE ELIM | INATION SYSTI | EM (NPDES |) | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | treet | | 1 | PA000213 | 3.5 | | 0 | 23 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | | | | MIT NUN | | 1 | | GE NUMBER | . | | | | | -:1- |
| Railis City, I a | 10041 | | TEN | IVIII NUN | | TODDIG D | | JE NUMBEN | | | Non | thwest Regio | n racsin | niie |
| | | | | | | TORING P | | | | | | | | |
| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | TO | YEAR M | MO DA | Y | | | | | |
| LOCATION: Karns City I | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | | | (20-21) | (22-23) | (24-25) | _ | (26-27) (28 | 3-29) (30-3 | (1) N | OTE: Read | d instructi | ons before con | nleting th | is form |
| | I | | | | | 10.1) | | | | 1 | | | | |
| Parameter | | (| JANTITY OR L | UADING | (4 Car | | QUALITY OR | | | | NO. | FREQUENCY | | IPLE |
| (32-37) | | (4653) | (54-61) | | (.: | 38-45) | (46-53) | (54- | 61) | | EX | OF ANALYSIS | TY | PE |
| | | A | Marmana | LINIT | a Mr | NIMUM | Avenage | MAXIMUN | | Linuma | ((2, (2) | | (60 | 70) |
| | Co | Average | Maximum | UNIT | S IVII | NIMUM | Average | MAXIMUN | VI | UNITS | (62-63) | (64-68) | (09 | -70) |
| | Sample Measurement | | | | | | | | | | | | | |
| | Permit | | | | - | | | | | - | | 1 | + | |
| Iron | Requirement | | | | | | XX | | | m g/l | | 2/year | gr | ab |
| | Sample | | | | | | | | | 1 | | | 1 | |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Manganese | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | - | | | | | 4 | | | - | |
| Copper | Requirement | | | | | | XX | | | mg/l | | 1/year | or | ab |
| СОРРСІ | Sample | | | | | | | | | | | 17 9 0 11 | 5. | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Zinc | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | 4 | | | | |
| pH | Permit Requirement | - 1 | | | | | XX | | | m g/l | | 1/year | or | rab |
| P11 | Sample | | | | | | M | | | mg/1 | | 17 y cur | 51 | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | 1 | | | | |
| | Requirement | | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit Requirement | | | ļ | | | | <u>I</u> | | | | ļ | ļ | |
| NAME/TITLE PRINCIPAL EXECUTIV | | FY UNDER PENALTY OF | IAW THAT I HA | VE DEDSONA | IIV EVAMINI | ED. | | | Т | ELEPHON | E | | DATE | 1 |
| OFFICER | | FAMILIAR WITH THE IN | | | | | | | 1 | ELETION | L | | DATE | |
| | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | OBTAINI | ING THE INFORMATION. | I BELIEVE THE S | UBMITTED I | NFORMATION | IS | | | | | | | | |
| | , | ACCURATE AND COMP | | | | | | | | | | | | |
| | | CANT PENALTIES FOR SU | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND I 1319. (Penalties unde | | | - | | URE OF PRINCIPAL E | YECUTIVE | AREA | | | | | |
| | | and or maximum in | | | | | OKE OF FRINCIPAL E | ALCUIIVE | CODE | NUMBE | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | r | | | | ICER OR AUTHORIZE | ED AGENT | | | • | | | |
| COMMENT AND EXPLAN | | Y VIOLATIONS (Re | eference all atta | chments he | ere) | | | <u>J</u> | | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE | ON | ; ː | PLEASE | SUE | BMIT Y | OUR RE | NEWAL A | APPLICATI | ION BE | FORE | | | | | | |
|--------------------------------|-----------------------|--|-----------|-------------|-------|----------|----------|----------|-----------------|------------|----------------|-------|----------|---------------|----------------|-------------|-------------|
| PERMITTEE NAME ADDR | ESS (include |] | NATIO | NAL PO | LLUT | ΓANT D | ISCHAR | GE ELIMI | NATION SY | STEM | (NPDE | S) | | | | | |
| Facility Name / Location if di | ifferent) | | | DIS | CHA | RGE M | ONITO | RING REF | PORT (DMR | () | | | | | | | |
| NAME: Penreco | | | | | (2-16 |) | | | (| 17-19) | | | | FOF | RM APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | | F | PA00 | 02135 | | | | 031 | | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | PER | MIT | NUMBI | ΞR | | DISCHA | ARGE N | UMBE | R | | Nor | thwest Regi | on Facsin | nile |
| | | | | | | | | ORING P | | | | | | 1101 | thwest Regi | on racom | 1110 |
| EACH ITV. WO/W | V/T1- | | | VEAD | 3.4 | 0 | | 1 | | MO | Ъ | A 37 | | | | | |
| FACILITY: WQ/IV | | | | YEAR | M | .0 | DAY | ТО | YEAR | MO | D/ | AY | | | | | |
| LOCATION: Karns City l | | | | | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | | (20-21) | (22- | -23) | (24-25) | | (26-27) | (28-29) | (30 | -31) | NOTE: R | ead instructi | ons before cor | apleting th | is form |
| Parameter | | (3 Card Only) Q | UANTI | TY OR LO | OADI | NG | (4 Card | l Only) | QUALITY | or Con | CENTR | ATION | | NO. | FREQUENCY | SAN | IPLE |
| (32-37) | | (4653) | (| (54-61) | | | (3 | 8-45) | (46-53) | | | 4-61) | | EX | OF | TY | /PE |
| | | | | | | | | | | | | | | | ANALYSIS | | |
| | | Average | M. | AXIMUM | | UNITS | Mn | NIMUM | AVERAG | E N | A AXIMU | JM | UNITS | (62-63) | (64-68) | (69 | -70) |
| | Sample | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | <u> </u> | | | | | | | | | | |
| Flow | Permit Requirement | XX | | | | MGD | | | | | | | | | 2/year | acti | m ate |
| 110 W | Sample | AA | | | - | MOD | 1 | | | | | | | | 2/ycai | CStil | nate |
| | Measurement | • | | | | | | | | | | | | | | | |
| | Permit | 1 | | | | | | | | | | | | | | | |
| TSS | Requirement | | | | | | | | XX | | | | mg/l | | 2/year | gr | rab |
| | Sample | _ | | | | | | | | | | | | | | | |
| | Measurement Permit | ļ | | | | | <u> </u> | | | | | | | | | | |
| TOC | Requirement | | | | | | | | XX | | | | mg/l | | 1/year | 21 | rab |
| | Sample | | | | | | | | | | | | | | | - | |
| | Measurement | 1 | | | | | | | | | | | | | | | |
| A | Permit | | | | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Requirement Sample | | | | | | | | XX | | | | mg/l | | 1/year | gı | rab |
| | Measurement | 4 | | | | | | | | | | | | | | | |
| | Permit | | | | | | - | | | | | | | <u> </u> | | | |
| Nitrate-Nitrite Nitrogen | Requirement | 1 | | | | | | | XX | | | | mg/1 | | 1/year | gı | rab |
| | Sample | | | | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | | | | |
| Oil and Grease | Permit Requirement | | | | | | | | XX | | | | m g/l | | 1/year | 01 | rab |
| on and Grease | Sample | | | | | | | | AA | | | | III g/ I | | 17 y car | 51 | ao |
| | Measurement | 1 | | | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | | | | |
| Aluminum | Requirement | 1 | | | Ī | | Ī | | XX | | | | mg/l | | 2/year | gı | rab |
| NAME/TITLE PRINCIPAL EXECUTIV | | FY UNDER PENALTY OF | | | | | | | | | | | TELEPHO | NE | | DATE | |
| OFFICER | | I FAMILIAR WITH THE I INQUIRY OF THOSE IN | | | | | | | | | | | | | | | |
| | | ING THE INFORMATION | | | | | | | | | | | | | | | |
| | | ACCURATE AND COM | | | | | | | | | | | | | | | |
| | | CANT PENALTIES FOR S | | | | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | | - | | | JRE OF PRINCIP. | AL EVECT | ITIME | AREA | | | | | |
| | - | 31319. (Penalties und and or maximum i | | | | | - | | JKE OF PKINCIP. | AL EXECU | IIVE | CODE | NUMI | BER | YEAR | МО | DAY |
| TYPE OR PRINT | years) | 01 | p. 1.0011 | 01 0 | | 001 | | | ICER OR AUTHO | RIZED AG | ENT | CODE | 1.0141 | | | |] |
| COMMENT AND EXPLAN | | Y VIOLATIONS (F | eferenc | ce all atta | chme | nts here |) | | | | | | | | | | 4 |

| NOTE: YOUR PERMIT WII | LL EXPIRE O | ON | ; PLEASI | E SUBMIT | YOUR RE | ENEWAL | APPLICATION | BEFORE | C | | • | | | |
|---|-----------------------|---|-------------------|--------------|--------------|---------------|--------------------|------------|--------|-------------|-------------|----------------|------------|-------------|
| PERMITTEE NAME ADDRES | | 1 | | | | | INATION SYST | EM (NPDI | ES) | | | | | |
| Facility Name / Location if diffe | erent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPROV | /ED. | |
| ADDRESS: 138 Petrolia Stre | et | |] | PA000213 | 55 | 1 | 0 | 31 | | | OMI | B NO. 2040 | -0004. | |
| Karns City, Pa 1 | 6041 | | | MIT NUM | | 1 | DISCHARO | | ER | | | hwest Regio | | nile |
| Trains City, Tu T | | | TEN | LIVIII IVOIV | | _ Toring p | | JE IVOIVID | | | 11011 | iiwest Regie | ii racsiii | 1110 |
| | T. 1 | | TIEAD | 1.60 | | | | 10 B | 4.7.7 | | | | | |
| FACILITY: WQ/IW/ | | | YEAR | MO | DAY | ТО | YEAR N | 10 D | AY | | | | | |
| LOCATION: Karns City Bo | rough | | | | | | | | | | | | | |
| COUNTY: Butler County | 7 | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) (3 | 0-31) | NOTE: Read | l instructi | ons before com | pleting th | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OR | CONCENTI | RATION | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | (54-61) | | | 38-45) | (46-53) | | 54-61) | | EX | OF | TY | |
| (== = ,) | | , , | , | | , | Ź | , , | ` | | | | ANALYSIS | | |
| | | Average | Maximum | Unit | s Mi | NIMUM | Average | Maxim | UM | UNITS | (62-63) | (64-68) | (69 | -70) |
| | Sample | | | | | | | | | | | | | |
| 1 | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Iron | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| _1 | Measurement | | | | | | | | | | | | | |
| Manganese | Permit | | | | | | VV | | | /1 | | 1 / | | -1- |
| ivialiganese | Requirement Sample | | | | | | XX | | | m g/l | | 1/year | gı | ab |
| <u> </u> | Measurement | | | | | | | | | | | | | |
| - | Permit | | | | | | | | | | | | | |
| Copper | Requirement | | | | | | XX | | | m g/l | | 1/year | gr | ab |
| •• | Sample | | | | | | | | | | | - | | |
| 1 | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Zinc | Requirement | | | | | | XX | | | m g/l | | 1/year | gr | ab |
| L, | Sample | | | | | | | | | | | | | |
| <u> </u> | Measurement | | | | | | | | | | | | | |
| pН | Permit Requirement | | | | | | XX | | | mg/l | | 1/year | or | ab |
| <i>p</i> 11 | Sample | | | | | | M | + | | mg/1 | | 17 y cui | 51 | uo |
| | Measurement | | | | | | | | | | | | | |
| <u> </u> | Permit | | | | | | | | | | | | | |
| | Requirement | | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| <u>_</u> | Permit | ļ | | ļ | <u>Į</u> | | | ļ | | <u> </u> | | <u> </u> | ļ | |
| N | Requirement | V VINCER REVIALENCE | | UE BERGOLL | | | | | _ | TELEBILON | | | DATE | |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | Y UNDER PENALTY OF FAMILIAR WITH THE I | | | | | | | | TELEPHON | Ł | | DATE | |
| OFFICER | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | NG THE INFORMATION. | | | | | | | | | | | | |
| | TRUE, A | CCURATE AND COM | PLETE. I AM | AWARE THA | T THERE A | RE | | | | | | | | |
| | SIGNIFIC | ANT PENALTIES FOR SI | UBMITTING FALSE | INFORMATIO | ON. INCLUDIN | NG | | | | | | | | |
| | | SIBILITY OF FINE AND | | | - | | | | | | | | | |
| | _ | 1319. (Penalties und | | - | - | | URE OF PRINCIPAL E | XECUTIVE | AREA | NILIMATE | D | WEAR | MC | DAY |
| TYPE OR PRINT | \$10,000 years) | and or maximum i | in prisonment of | between 6 i | nonths and | | ICER OR AUTHORIZE | D AGENT | CODE | NUMBE | K | YEAR | МО | DAY |
| COMMENT AND EXPLANA | | VIOLATIONS (R | eference all atta | chments he | ere) | 011 | OK TO THORIZE | | | | | <u> </u> | | |

XX -- Monitor and report on monthly DMRs.

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEAS | E SUBMIT | YOUR RE | NEWAL . | APPLICATION | I BEFC | ORE | | · | | | |
|--------------------------------|-----------------------|--|-----------------|-------------|--------------|----------|--------------------|----------|----------|------------------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include |] | | | | | INATION SYST | | | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | SCHARGE | MONITO | RING REI | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPROV | /ED. | |
| ADDRESS: 138 Petrolia St | treet | | | PA000213 | 35 |] | 0 | 32 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | RMIT NUN | | 1 | DISCHARO | | MBER | | | hwest Regio | | nile |
| | | | | | | TORING P | | | | | 11011 | inwest regre | ii i acsiii | |
| FACILITY: WQ/IV | W/Tech | | VEAD | MO | | | | 10 | DAV | | | | | |
| ` | | | YEAR | MO | DAY | ТО | YEAR N | ИΟ | DAY | | | | | |
| LOCATION: Karns City | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) | (30-31) | NOTE: Read | d instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR I | LOADING | (4 Caro | l Only) | QUALITY OR | CONCE | NTRATION | | NO. | FREQUENCY | SAM | 1PLE |
| (32-37) | | (4653) | (54-61) | | (3 | 8-45) | (46-53) | | (54-61) | | EX | OF | TY | PΕ |
| | | | | | | | • | - | | | | ANALYSIS | | |
| | | Average | Maximum | 1 Unit | s Mn | NIMUM | AVERAGE | MAX | XIMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | _ | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | | |
| Flow | Requirement | XX | | MG | D | | | | | | | 2/year | estin | n ate |
| | Sample | | | | | | † | | | | | ., | | |
| | Measurement |] | | | | | | | | | | | | |
| TOG | Permit | | | | | | | | | | | | | |
| TSS | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| | Sample Measurement | 4 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| TOC | Requirement | 1 | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Permit Requirement | | | | | | XX | | | m g/1 | | 1/year | gr | -o.b |
| Animonia as ivitogen | Sample | | | | _ | | AA | + | | III g/I | | 1/year | gı | au |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Nitrate-Nitrite Nitrogen | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | + | | | | | | |
| Oil and Grease | Requirement | • | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| Aluminum | Permit | <u> </u> | | | ļ | | VV | ļ | | | | 2/ | | 1. |
| NAME/TITLE PRINCIPAL EXECUTIV | Requirement | FY UNDER PENALTY OF | FIAW THAT I H | AVE PERSONA | IIV EYAMINE | 'D | XX | | | mg/l TELEPHON | F | 2/year | DATE | rab |
| OFFICER | | I FAMILIAR WITH THE I | | | | | | | | TELLITION | L | | DATE | |
| | ON MY | INQUIRY OF THOSE IN | NDIVIDUALS IMMI | EDIATELY RE | SPONSIBLE FO |)R | | | | | | | | |
| | | ING THE INFORMATION | | | | | | | | | | | | |
| | | ACCURATE AND COM CANT PENALTIES FOR S | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | | | | | | | | | | |
| | | 1319. (Penalties und | | | • | | URE OF PRINCIPAL E | EXECUTIV | | | | | | |
| myre= 0 = 2 = 2 = 2 = 2 | | and or maximum i | imprisonment of | between 6 | months and | | | | CODI | E NUMBE | R | YEAR | МО | DAY |
| TYPE OR PRINT | years) | HILLO ATTONIC (D | 11 | | | OFF | ICER OR AUTHORIZI | ED AGEN | Γ | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR RI | ENEWAL | APPLICATION | BEFORE _ | | | · | | | |
|--------------------------------|-----------------------|---|-------------------|------------|-------------|----------|--------------------|-------------|-------|-------------|-------------|----------------|------------|---------|
| PERMITTEE NAME ADDR | ESS (include | N | NATIONAL PO | LLUTAN | DISCHAR | GE ELIM | INATION SYSTI | EM (NPDES |) | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | treet | | 1 | PA000213 | 3.5 | | 0 | 32 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | | | | MIT NUN | | 1 | | GE NUMBER | , | | | | | -:1- |
| Railis City, I a | 10041 | | 1 LIV | IVIII NUN | | TODDIG D | | JE NUMBER | | | Non | thwest Regio | n racsin | niie |
| | | | | | | TORING P | | • | | | | | | |
| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | TO | YEAR M | MO DA | Y | | | | | |
| LOCATION: Karns City | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | | | (20-21) | (22-23) | (24-25) | _ | (26-27) (28 | 3-29) (30-3 | 31) N | OTE: Read | l instructi | ons before con | nleting th | is form |
| | I | OI | | | | 10.1) | | | | 1 | | | | |
| Parameter | | (| UANTITY OR L | OADING | (4 Car | | QUALITY OR | | | | NO. | FREQUENCY | | IPLE |
| (32-37) | | (4653) | (54-61) | | (.: | 38-45) | (46-53) | (54- | -61) | | EX | OF ANALYSIS | 1 Y | PE. |
| | | Avenue | Marmana | LINIT | a Mr | NIMUM | Avenage | MAXIMUN | , | Livimo | ((2, (2)) | | (60 | 70) |
| | Co | Average | MAXIMUM | UNIT | S IVII | NIMUM | Average | MAXIMUN | VI | UNITS | (62-63) | (64-68) | (09 | -70) |
| | Sample Measurement | 4 | | | | | | | | | | | | |
| | Permit | | | | - | | | - | | | | 1 | 1 | |
| Iron | Requirement | 1 | | | | | XX | | | m g/1 | | 2/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Manganese | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | - | | | | | _ | | | - | |
| Copper | Requirement | 4 | | | | | XX | | | mg/l | | 1/year | or | ab |
| СОРРСІ | Sample | | | | | | | | | 111 8/1 | | 17 9 0 11 | 5. | |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Zinc | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | _ | | | | |
| pH | Permit Requirement | 4 | | | | | XX | | | mg/l | | 1/year | or | rab |
| P11 | Sample | | | | | | M | | | III g/ I | | 17 y cur | 51 | |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| | Requirement | | | | | | | | | | | | | |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit Requirement | | | ļ | | | | ļ | | | | | ļ | |
| NAME/TITLE PRINCIPAL EXECUTIV | | FY UNDER PENALTY OF | IAW THAT I HA | VE DEDSONA | IIV EVAMINI | ED. | | | , | TELEPHON | F | | DATE | 1 |
| OFFICER | | FAMILIAR WITH THE IN | | | | | | | | I ELEI IION | Ľ | | DATE | |
| | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | OBTAINI | ING THE INFORMATION. | I BELIEVE THE S | UBMITTED I | NFORMATION | IS | | | | | | | | |
| | , | ACCURATE AND COME | | | | | | | | | | | | |
| | | CANT PENALTIES FOR SU | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND 1 1319. (Penalties und | | | - | | URE OF PRINCIPAL E | YECHTIVE | AREA | | | | | |
| | | and or maximum ir | | | | | OKE OF FRINCIPAL E | AECUTIVE | CODE | NUMBE | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | | r | | | | ICER OR AUTHORIZE | ED AGENT | | | | | | |
| COMMENT AND EXPLAN | | Y VIOLATIONS (Re | eference all atta | chments he | ere) | | | | | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEAS | E SUBMIT | YOUR RE | NEWAL . | APPLICATION | I BEFO | ORE | | · | | | |
|--------------------------------|-----------------------|---|-----------------|-------------|-------------|----------|--------------------|----------|----------|------------------|-------------|----------------|-------------|-------------|
| PERMITTEE NAME ADDR | ESS (include |] | | | | | NATION SYST | | | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | SCHARGE | MONITOI | RING REI | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 19) | | | FOR | M APPROV | VED. | |
| ADDRESS: 138 Petrolia St | treet | | | PA000213 | 5 | | 0 | 33 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | RMIT NUM | | | DISCHARO | | MBER | | | hwest Regio | | nile |
| | | | | | | TORING P | | | | | 1,01, | arwest reegre | 11 1 400111 | |
| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | TO | 1 | ИO | DAY | | | | | |
| ` | | | IEAR | MO | DAI | 10 | I EAR I | VIO | DAT | | | | | |
| LOCATION: Karns City | | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 8-29) | (30-31) | NOTE: Read | d instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR I | LOADING | (4 Card | d Only) | QUALITY OR | CONCE | NTRATION | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | (54-61) | | (3 | 8-45) | (46-53) | | (54-61) | | EX | OF | TY | PE |
| | | | | | | | | | | | | ANALYSIS | | |
| | ~ . | Average | Maximum | 1 UNIT | s Mn | NIMUM | Average | MA | XIMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample Measurement | | | | | | | | | | | | | |
| | Permit | | | | 1 | | | | | | | | | |
| Flow | Requirement | XX | | MG | D | | | | | | | 2/year | estir | n ate |
| | Sample | | | | | | | | | | | | | |
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| TSS | Requirement Sample | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| | Measurement | · | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| TOC | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| Ammonia as Nitrogen | Permit Requirement | | | | | | XX | | | m g/l | | 1/year | ar | ab |
| 7 Hillinoma us Tviarogen | Sample | | | | | | AA | | | III g/ I | | 17 y car | g, | 40 |
| | Measurement | 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Nitrate-Nitrite Nitrogen | Requirement | | | | | | XX | | | m g/1 | | 1/year | gr | ab |
| | Sample Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Oil and Grease | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
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| Aluminum | Permit | | | Ţ | Ţ | | 3/3/ | Į | | | | 2/ | ļ | 1 |
| NAME/TITLE PRINCIPAL EXECUTIV | Requirement | FY UNDER PENALTY OF | E I AW THAT I H | AVE DEDSONA | IIV EVAMINE | n I | XX | | ı | mg/l TELEPHON | E | 2/year | DATE | rab |
| OFFICER | | I FAMILIAR WITH THE I | | | | | | | | TELEFHON | L | | DATE | |
| | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | ING THE INFORMATION | | | | | | | | | | | | |
| | | ACCURATE AND COM | | | | | | | | | | | | |
| | | CANT PENALTIES FOR S SSIBILITY OF FINE AND | | | | | | | | | | | | |
| | | 1319. (Penalties und | | | • | | URE OF PRINCIPAL E | EXECUTIV | /E AREA | Λ | | | | |
| | \$10,000 | and or maximum i | | | | 5 | | | CODI | E NUMBE | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | HANDI ATTONIO (D | | | | OFF | ICER OR AUTHORIZI | ED AGEN | T | | | | | |

| NOTE: YOUR PERMIT WI | LL EXPIRE (| ON | ; PLEASI | E SUBMIT | YOUR RE | ENEWAL | APPLICATION | BEFORI | E | | • | | | |
|---|-----------------------|---|-------------------|------------|--------------|----------|---------------------|------------|--------|------------|-------------|--|-------------|-------------|
| PERMITTEE NAME ADDRES | | 1 | | | | | INATION SYST | EM (NPD) | ES) | | | | | |
| Facility Name / Location if diffe | erent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPROV | /ED. | |
| ADDRESS: 138 Petrolia Stre | et | |] | PA000213 | 35 | | 0 | 33 | | | OM | B NO. 2040 | 0004. | |
| Karns City, Pa 1 | 6041 | | | MIT NUN | | 1 | DISCHARO | | ER | | | hwest Regio | | nile |
| | | | | | | TORING P | | | | | 11011 | inwest regre | ii i acsiii | 1110 |
| FACILITY WO W | T 1 | | VEAD | 140 | | | | 10 E | N A 37 | | | | | |
| FACILITY: WQ/IW/ | | | YEAR | MO | DAY | ТО | YEAR N | I ON | OAY | | | | | |
| LOCATION: Karns City Bo | rough | | | | | | | | | | | | | |
| COUNTY: Butler County | 7 | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) (3 | 0-31) | NOTE: Read | l instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR L | OADING | (4 Car | d Only) | QUALITY OR | CONCENT | RATION | | NO. | FREQUENCY | SAM | IPLE |
| (32-37) | | (4653) | (54-61) | | I - | 38-45) | (46-53) | | 54-61) | | EX | OF | TY | PE |
| (* * * * / | | | | | | | | | • | | | ANALYSIS | | |
| | | Average | Maximum | UNIT | s Mi | NIMUM | Average | MAXIM | IUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Iron | Requirement | | | | | | XX | | | m g/l | | 2/year | gr | ab |
| L | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| Manganese | Permit Requirement | | | | | | XX | | | m a/1 | | 1/year | ~ | o b |
| Wanganese | Sample | | | _ | | | ΛΛ | | | m g/l | | 1/year | gr | au |
| <u> </u> | Measurement | | | | | | | | | | | | | |
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| Copper | Requirement | | | | | | XX | | | m g/l | | 1/year | gr | ab |
| • | Sample | | | | | | | | | | | | | |
| | Measurement | | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Zinc | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| _ | Sample | | | | | | | | | | | | | |
| <u> </u> | Measurement | | | | | | | | | | | | | |
| рН | Permit Requirement | | | | | | XX | | | m g/l | | 1/year | or | ab |
| p11 | Sample | | | _ | _ | | M | | | mg/1 | | 17 y cui | 51 | uo |
| | Measurement | | | | | | | | | | | | | |
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| | Requirement | | | | | | | | | | | | | |
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| | Measurement | | | | | | | | | | | | | |
| L | Permit | | | ļ | ļ | | | ļ | | <u> </u> | | <u>[</u> | Ţ | |
| N | Requirement | | | VE PERGONI | | | | | | TELEBIION | | | DATE | |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | Y UNDER PENALTY OF FAMILIAR WITH THE I | | | | | | | | TELEPHON | E | | DATE | |
| OFFICER | | INQUIRY OF THOSE IN | | | | | | | | | | | | |
| | | NG THE INFORMATION. | | | | | | | | | | | | |
| | TRUE, A | CCURATE AND COM | PLETE. I AM | AWARE THA | AT THERE A | RE | | | | | | | | |
| | SIGNIFIC | ANT PENALTIES FOR S | UBMITTING FALSE | INFORMATIO | ON. INCLUDIN | NG | | | | | | | | |
| | | SIBILITY OF FINE AND | | | - | | | | | | | | | |
| | _ | 1319. (Penalties und | | - | _ | | URE OF PRINCIPAL E | XECUTIVE | AREA | NILIMATE | D | WEAR | MC | DAY |
| TYPE OR PRINT | \$10,000 years) | and or maximum i | in prisonment of | between 6 | months and | | ICER OR AUTHORIZE | ED AGENT | CODE | NUMBE | К | YEAR | МО | DAY |
| COMMENT AND EXPLANA | | VIOLATIONS (R | eference all atta | chments h | ere) | 311 | TO LIK OK MOTHORIZE | LD .TODITI | | | | <u>. </u> | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEAS | E SUBMIT ` | YOUR RE | NEWAL . | APPLICATION | BEFO | RE | | · | | | |
|--------------------------------|-----------------------|--|-----------------|--------------|------------|----------|--------------------|----------|---------|------------------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include | 1 | | | | | NATION SYST | | | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE I | MONITO | RING REI | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPROV | /ED. | |
| ADDRESS: 138 Petrolia St | reet | | | PA0002135 | | | 0 | 34 | | | OM | B NO. 2040 | -0004. | |
| Karns City, Pa | 16041 | | | RMIT NUMI | | | DISCHARC | | (BER | | | hwest Regio | | nile |
| | | | | | | ORING P | | | | | 11011 | inwest regre | ii i acsiii | |
| FACILITY: WQ/IV | V/Tech | | VEAD | MO | | | | 10 | DAV | | | | | |
| ` | | | YEAR | MO | DAY | TO | YEAR N | 1O | DAY | | | | | |
| LOCATION: Karns City | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) | (30-31) | NOTE: Read | d instructi | ons before com | pleting thi | is form |
| Parameter | | (3 Card Only) Q | UANTITY OR I | OADING | (4 Card | Only) | QUALITY OR | CONCE | TRATION | | NO. | FREQUENCY | SAM | 1PLE |
| (32-37) | | (4653) | (54-61) | | (3 | 8-45) | (46-53) | | (54-61) | | EX | OF | TY | PΕ |
| | | | | | | | • | _ | | | | ANALYSIS | | |
| | | Average | Maximum | UNITS | Min | NIMUM | Average | MAX | IMUM | UNITS | (62-63) | (64-68) | (69- | -70) |
| | Sample | | | | | | | | | | | | | |
| | Measurement Permit | | | | | | | | | | | | | |
| Flow | Requirement | XX | | MGD | | | | | | | | 2/year | estin | n ate |
| | Sample | | | | + | | | | | | | , | | |
| | Measurement |] | | | | | | | | | | | | |
| TOG | Permit | | | | | | | | | | | | | |
| TSS | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab |
| | Sample Measurement | ł I | | | | | | | | | | | | |
| | Permit | 1 | | | - | | <u> </u> | | | | | | | |
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| | Sample | | | | | | | | | | | | | |
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| Ammonia as Nitrogen | Permit Requirement | | | | | | XX | | | m g/l | | 1/year | gr | -o.b |
| Animonia as ivitogen | Sample | | | | _ | | AA | _ | | III g/ I | | 1/year | gı | au |
| | Measurement | 1 1 | | | | | | | | | | | | |
| | Permit | | | | | | | | | | | | | |
| Nitrate-Nitrite Nitrogen | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab |
| | Sample | | | | | | | | | | | | | |
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| Oil and Grease | Requirement | • | | | | | XX | | | mg/l | | 1/year | gr | ab |
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| | Measurement | | | | | | | | | | | | | |
| Aluminum | Permit | | | ļ | ļ | | VV | ļ | | /1 | | 2/ | | 1. |
| NAME/TITLE PRINCIPAL EXECUTIV | Requirement | FY UNDER PENALTY OF | FIAW THAT I HA | VE PERSONALI | V EYAMINE | n I | XX | | | mg/l TELEPHON | F | 2/year | DATE | rab |
| OFFICER | | I FAMILIAR WITH THE I | | | | | | | | TELLITION | L | | DATE | |
| | ON MY | INQUIRY OF THOSE IN | NDIVIDUALS IMME | DIATELY RESP | ONSIBLE FO | R | | | | | | | | |
| | | ING THE INFORMATION. | | | | | | | | | | | | |
| | | ACCURATE AND COM CANT PENALTIES FOR SI | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND | | | | | | | | | | | | |
| | | 1319. (Penalties und | | | | | URE OF PRINCIPAL E | XECUTIV | E AREA | L | | | | |
| | | and or maximum i | imprisonment of | between 6 m | onths and | | | | CODE | E NUMBE | R | YEAR | MO | DAY |
| TYPE OR PRINT | years) | HILLON A TONIG (D | | | | OFF | ICER OR AUTHORIZE | ED AGENT | | | | | |] |

| NOTE: YOUR PERMIT V | VILL EXPIRE (| ON | ; PLEAS | E SUBMIT | T YOUR RI | ENEWAL | APPLICATION | BEFORE | E | | • | | | | |
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| PERMITTEE NAME ADDR | ESS (include | N. | ATIONAL PO | LLUTAN | Γ DISCHAR | GE ELIMI | NATION SYST | EM (NPDI | ES) | | | | | | |
| Facility Name / Location if d | ifferent) | | DIS | CHARGE | MONITO | RING REI | PORT (DMR) | | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOF | RM APPROV | √ED. | | |
| ADDRESS: 138 Petrolia St | treet | | | PA000213 | 35 | 1 | 0 | 34 | | OMB NO. 2040-0004. | | | | | |
| Karns City, Pa | 16041 | | PEI | RMIT NUN | //BER | | DISCHARO | E NUMB | ER | | Nor | thwest Regio | n Facsin | nile | |
| • | | | | | MONI | TORING P | PERIOD | | | | | | | | |
| FACILITY: WQ/IV | W/Tech | | YEAR | MO | DAY | ТО | | MO D | AY | | | | | | |
| | | | TEAK | IVIO | DAT | - 10 | TEAK N | /IO L | AI | | | | | | |
| LOCATION: Karns City | | | | | | _ | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) (3 | 0-31) | NOTE: Rea | d instructi | ons before com | pleting thi | is form | |
| Parameter | | (3 Card Only) QU | ANTITY OR L | OADING | (4 Car | d Only) | QUALITY OR | Concenti | RATION | | NO. | FREQUENCY | SAM | 1PLE | |
| (32-37) | | (4653) | (54-61) | | (3 | 38-45) | (46-53) | (: | 54-61) | | EX | OF | TY | PE | |
| | | | 3.6 | *** | | | . | 1 3 6 | | ******* | (62.62) | ANALYSIS | (60 | 70) | |
| | C1- | Average | Maximum | UNIT | is MI | NIMUM | Average | MAXIM | UM | UNITS | (62-63) | (64-68) | (69- | -70) | |
| | Sample Measurement | | | | | | | | | | | | | | |
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| Iron | Requirement | | | | | | XX | | | mg/l | | 2/year | gr | ab | |
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| Manganese | Requirement | | | | | | XX | | | mg/l | | 1/year | gr | ab | |
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| | Requirement | ł ¦ | | ļ | ł | | | | | ļ | | Ī | | | |
| NAME/TITLE PRINCIPAL EXECUTIV | - | FY UNDER PENALTY OF | LAW THAT I HA | VE PERSONA | LLY EXAMINI | ED | • | | 1 | TELEPHON | Е | | DATE | | |
| OFFICER | AND AM | FAMILIAR WITH THE IN | FORMATION SUB | MITTED HER | EIN AND BASI | ED | | | | | | | | | |
| | | INQUIRY OF THOSE IND | | | | | | | | | | | | | |
| | | ING THE INFORMATION. ACCURATE AND COMP | | | | | | | | | | | | | |
| | | CANT PENALTIES FOR SUI | | | | | | | | | | | | | |
| | | SSIBILITY OF FINE AND I | | | | | | | | | | | | | |
| | | 1319. (Penalties unde | | | • | | URE OF PRINCIPAL E | XECUTIVE | AREA | L | | | | | |
| | | and or maximum im | prisonment of | between 6 | months and | | | | CODE | E NUMBE | R | YEAR | MO | DAY | |
| TYPE OR PRINT COMMENT AND EXPLAN | years) | V VIOI ATIONIC /P | forman an all are | - alama = 4 - 1 | 242) | OFF | ICER OR AUTHORIZE | ED AGENT | | | | | | <u> </u> | |
| TADVIVIENT AND EXPLAN | A LIUNUE AN | T VIULATIUNS (RE | летенсе ян янг | acininenis h | -1-1 | | | | | | | | | | |

| NOTE: YOUR PERMIT W | VILL EXPIRE (| ON | ; PLEASI | E SUBMIT | T YOUR R | ENEWAL. | APPLICATION | V BEFORE | | | · | | | |
|---|-----------------------|--|-------------------|-------------|------------|-----------|--------------------|---------------|-----|---------------|-------------|----------------|-------------|---------|
| PERMITTEE NAME ADDR | ESS (include | N | ATIONAL PO | LLUTAN | Γ DISCHAI | RGE ELIMI | INATION SYST | EM (NPDES) | | | | | | |
| Facility Name / Location if di | ifferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPRO | VED. | |
| ADDRESS: 138 Petrolia St | reet | | 1 | PA00021 | 3.5 | | 0 | 20 | | | OM1 | B NO. 2040 | -0004. | |
| Karns City, Pa | | | | RMIT NUN | | | | GE NUMBER | | | | hwest Regio | | nila |
| ixams city, i a | 10041 | | 1 LI | CIVIII IVOI | | TODDIC D | | JE NOMBER | | | NOTE | iiwesi Kegi | on racsin | IIIIE |
| | | | | 1 | | ITORING P | | | | | | | | |
| FACILITY: WQ/IV | V/Tech | | YEAR | MO | DAY | TO | YEAR N | MO DAY | | | | | | |
| LOCATION: Karns City l | Borough | | | | | | | | | | | | | |
| COUNTY: Butler Cour | nty | | (20-21) | (22-23) | (24-25) | | (26-27) (28 | 3-29) (30-31) | NOT | E: Read | d instructi | ons before cor | npleting th | is form |
| Parameter | <u> </u> | (3 Card Only) QU | JANTITY OR L | OADING | (4 Ca | rd Only) | OHALITY OR | Concentration | ON | | NO. | FREQUENCY | SAM | 1PLE |
| (32-37) | | (4653) | (54-61) | OHDING | | 38-45) | (46-53) | (54-61 | | | EX | OF | L | PE. |
| (32-37) | | (10 55) | (5.01) | | (| 20 12) | (.0 55) | (5. 01 | , | | LA | ANALYSIS | 1 1 | . I L |
| | | Average | Maximum | UNI | rs M | INIMUM | Average | Maximum | | UNITS | (62-63) | (64-68) | (69 | -70) |
| | Sample | TTYDAUTOD | 1/11/11/11/01/1 | | | | | | | | , , | , , | ` | |
| | Measurement | 1 | | | | | | | | | | | | |
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| Flow | Requirement | XX | | MG | D | | | | | | | 2/year | estir | m ate |
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| | Sample Measurement | | | | | | | | | | | | | |
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| Ammonia as Nitrogen | Requirement | 1 | | | | | XX | | | mg/l | | 2/year | gr | rab |
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| Niamata Niamita Niama man | Permit | | | | | | 7777 | | | /1 | | 2.1 | | |
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| ADDRESS: 138 Petrolia St | treet | | | PA000213 | 5 | | 0 | 22 | | | OM | B NO. 2040- | 0004. | |
| Karns City, Pa | 16041 | | PE | RMIT NUM | IBER | | DISCHARO | GE NUI | MBER | | Nort | hwest Regio | n Facsin | nile |
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| Facility Name / Location if di | fferent) | | DIS | CHARGE | MONITO | RING RE | PORT (DMR) | | | | | | | |
| NAME: Penreco | | | | (2-16) | | | (17-1 | 9) | | | FOR | M APPROV | /ED. | |
| ADDRESS: 138 Petrolia Str | reet | | | PA000213 | 55 | 1 | 0 | 22 | | | OM | B NO. 2040 | 0004. | |
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| LOCATION: Karns City E | Borough | | | | | | | | | | | | | |
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| EPA FORM 3320-1 (Rev 9 - 88) previous edition maybe used | (REPLACES EPA FORM T -40 WHICH MAY NOT BE USED) | Page <u>2 of 2</u> |
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| NOTE: YOUR PERMIT WILL EXPIRE ON | ; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE | · |